



1/89

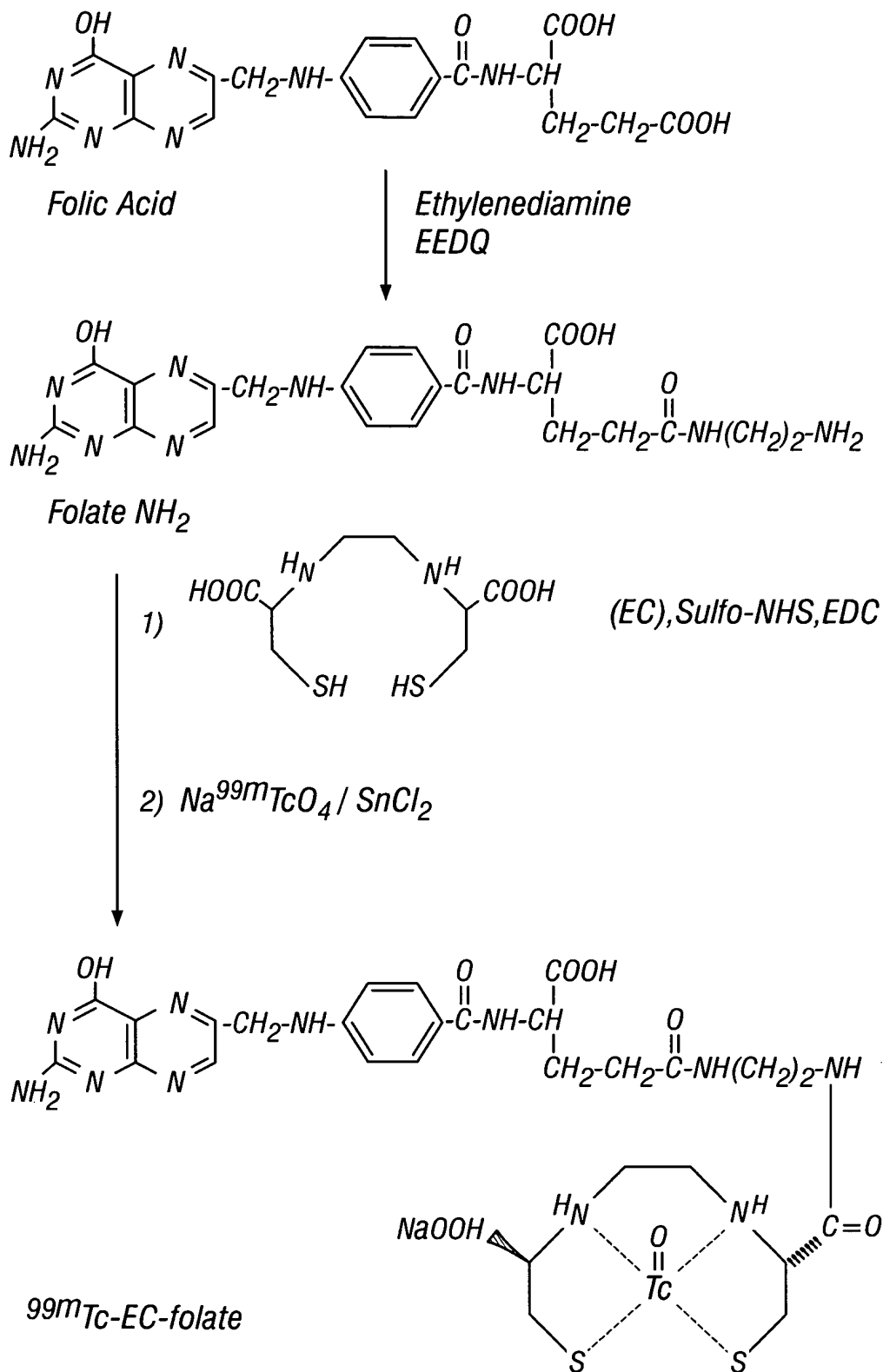


FIG. 1

BEST AVAILABLE COPY

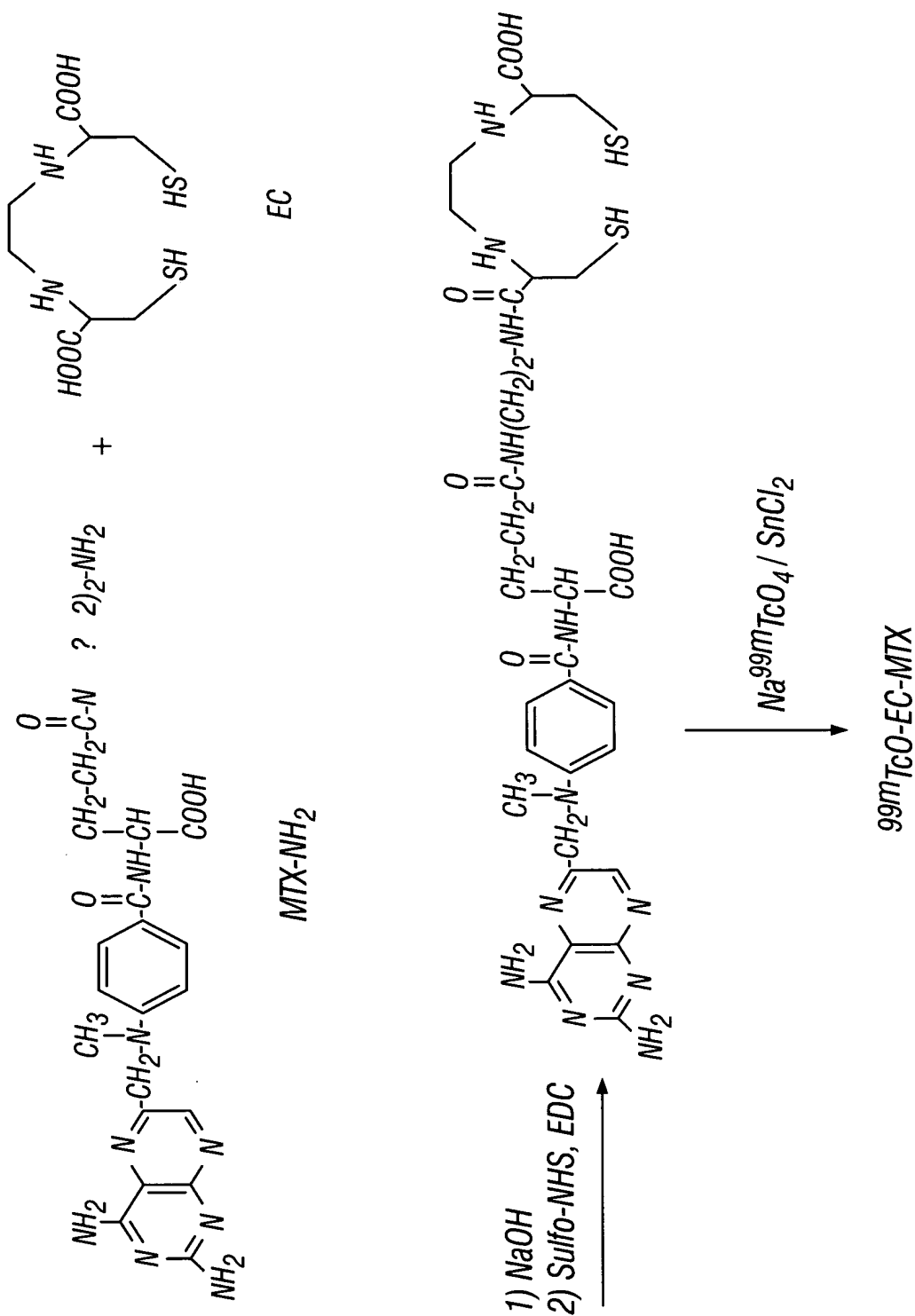


FIG. 2

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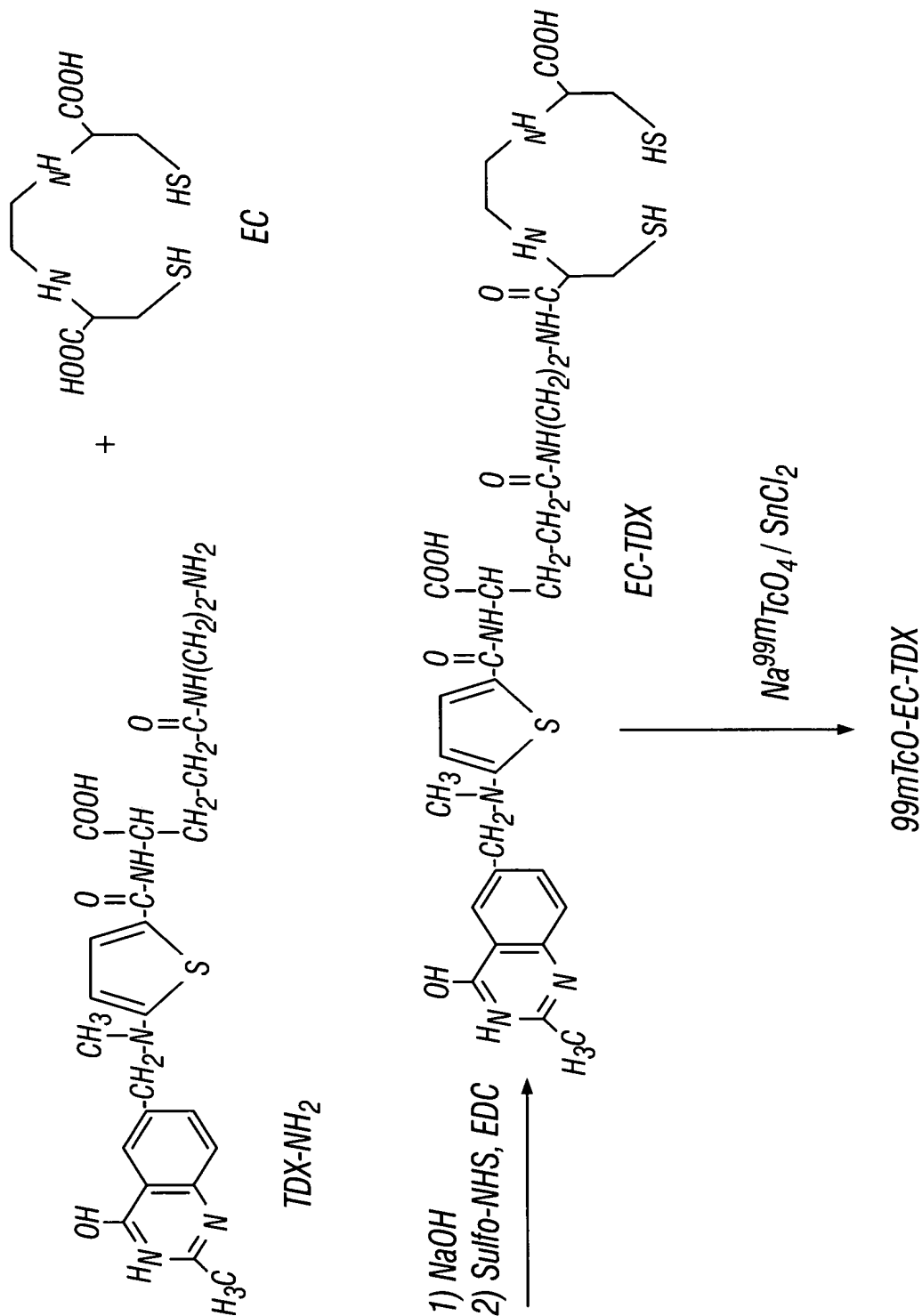


FIG. 3

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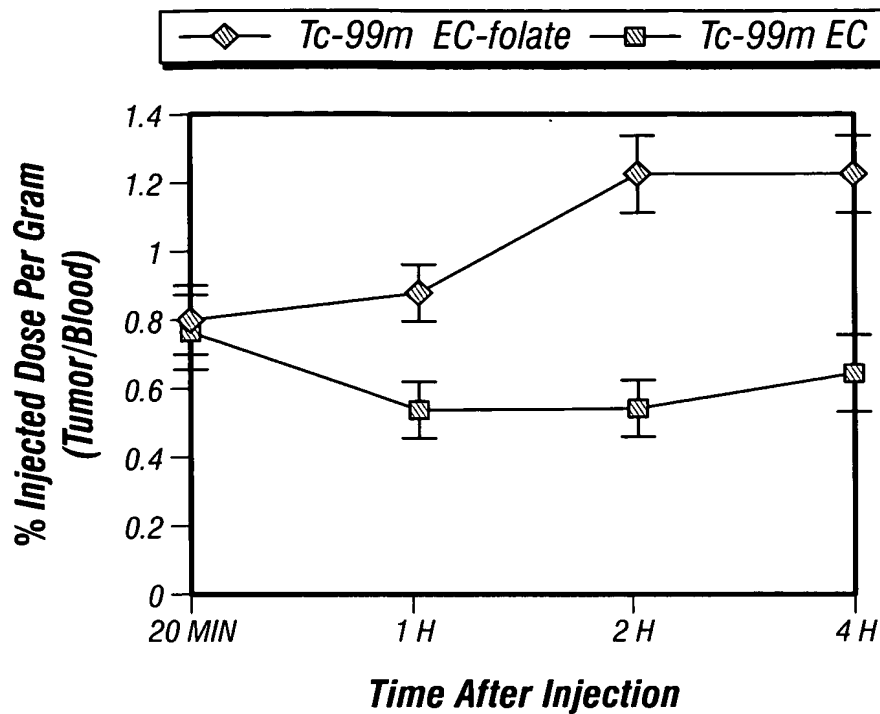


FIG. 4

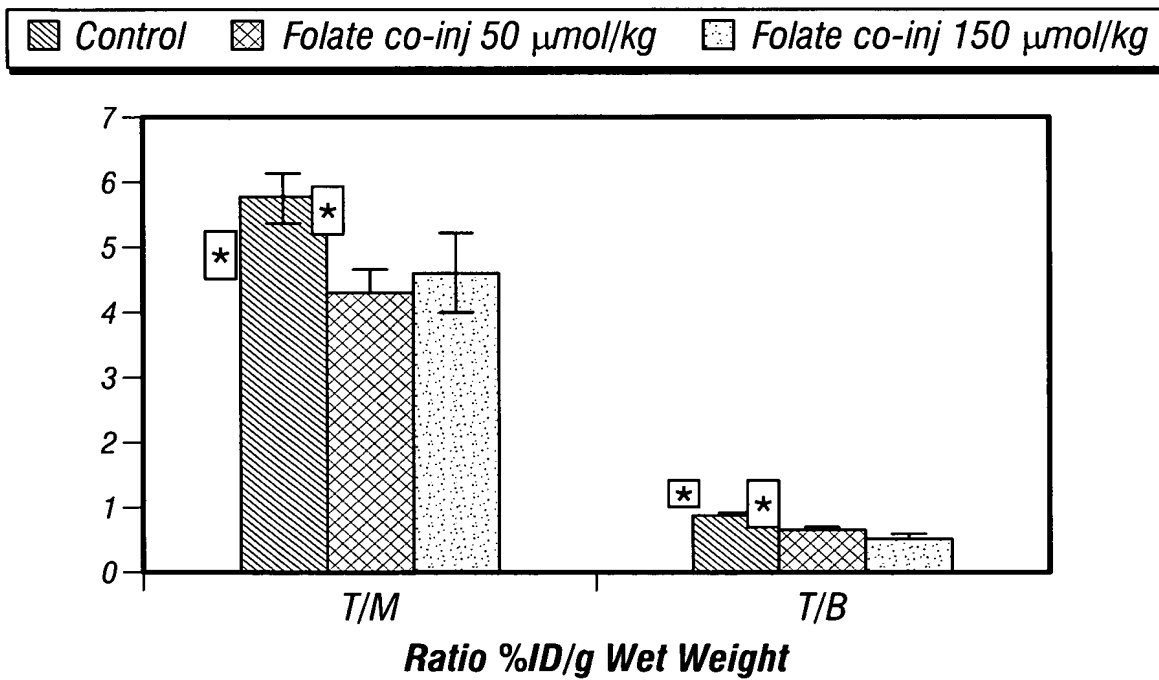


FIG. 5

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Tc-99m EC-folate

Tc-99m EC

Tc-99m EC-folate

Tc-99m EC

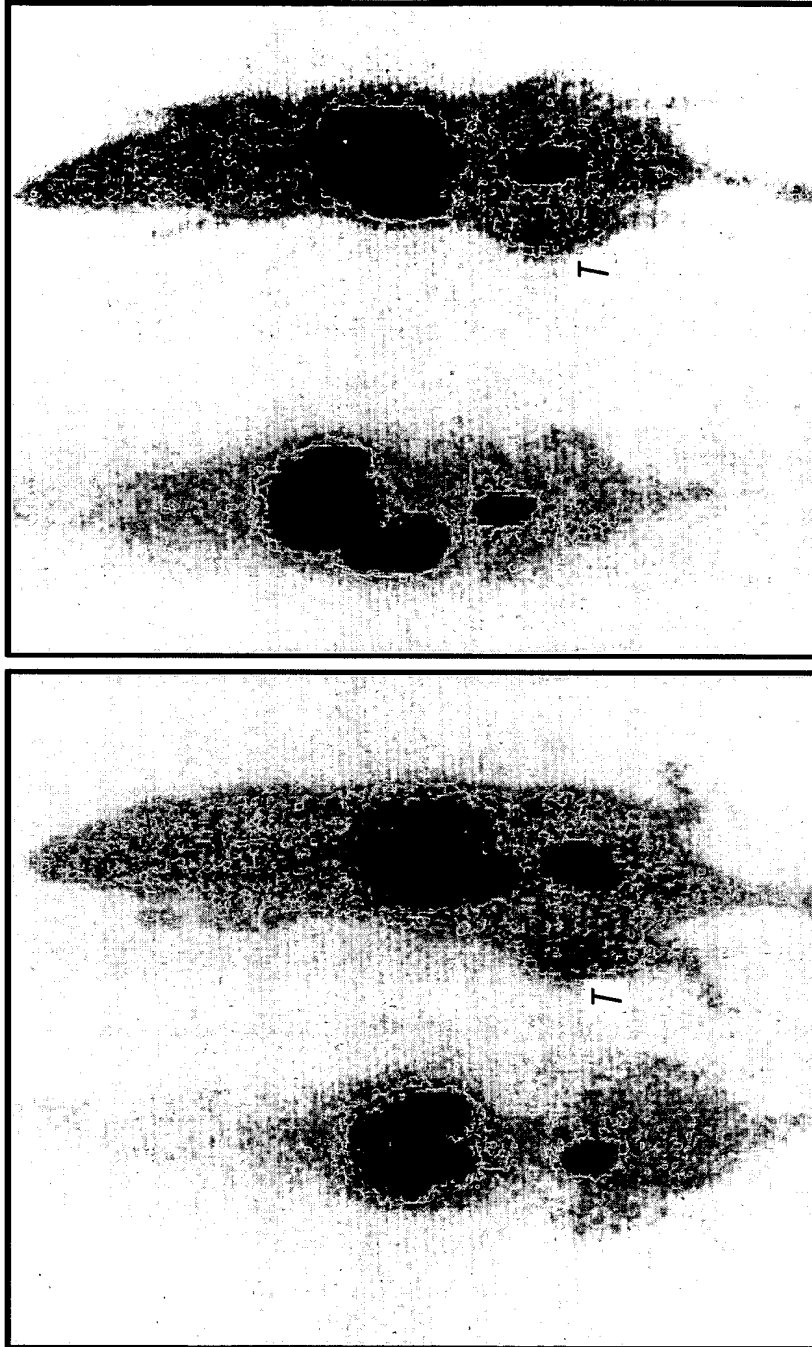
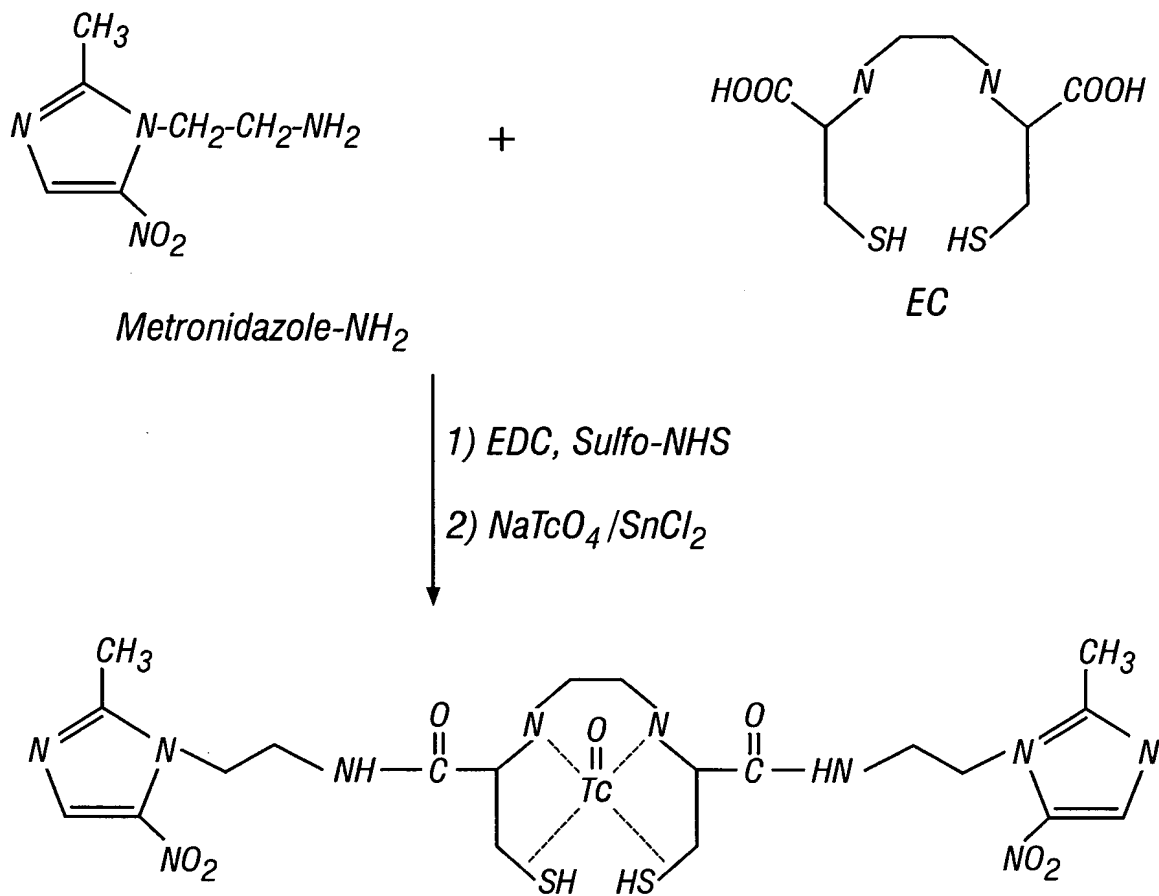
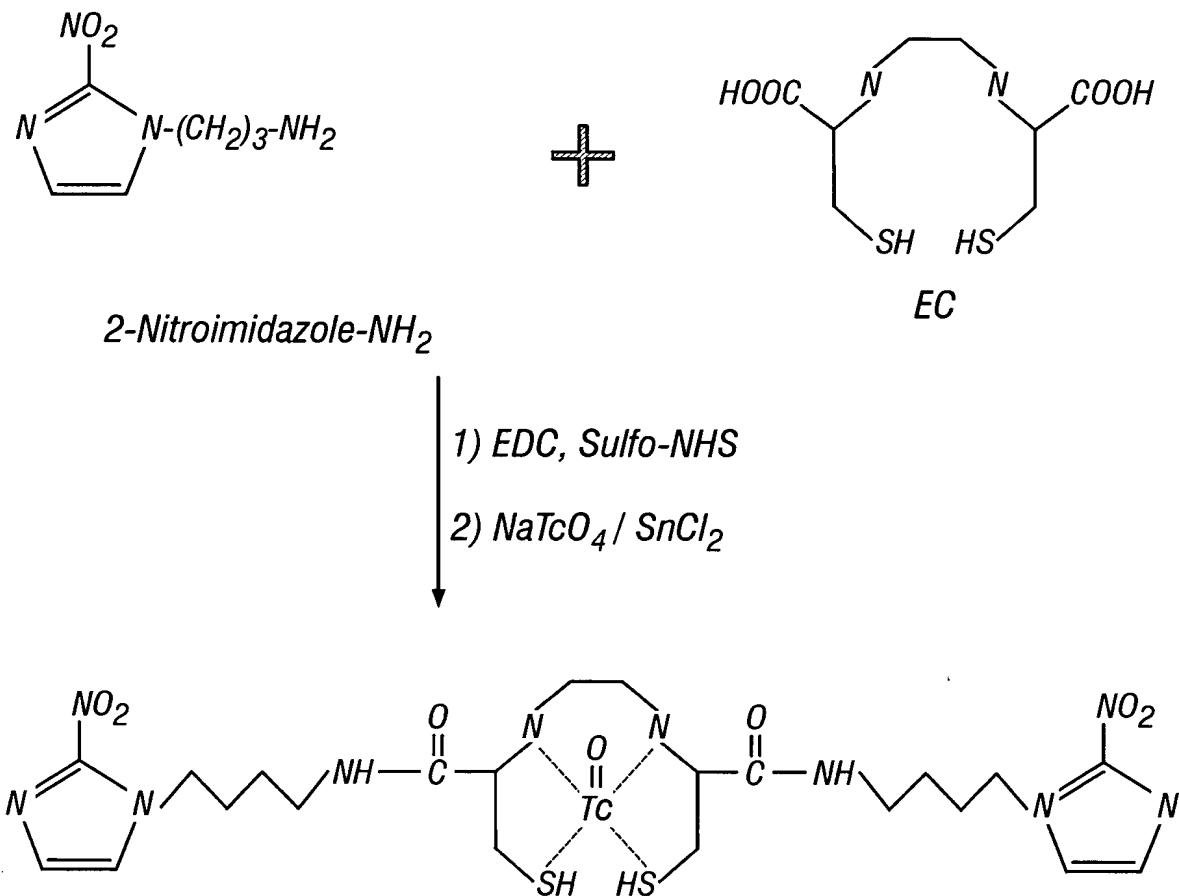


FIG. 6B

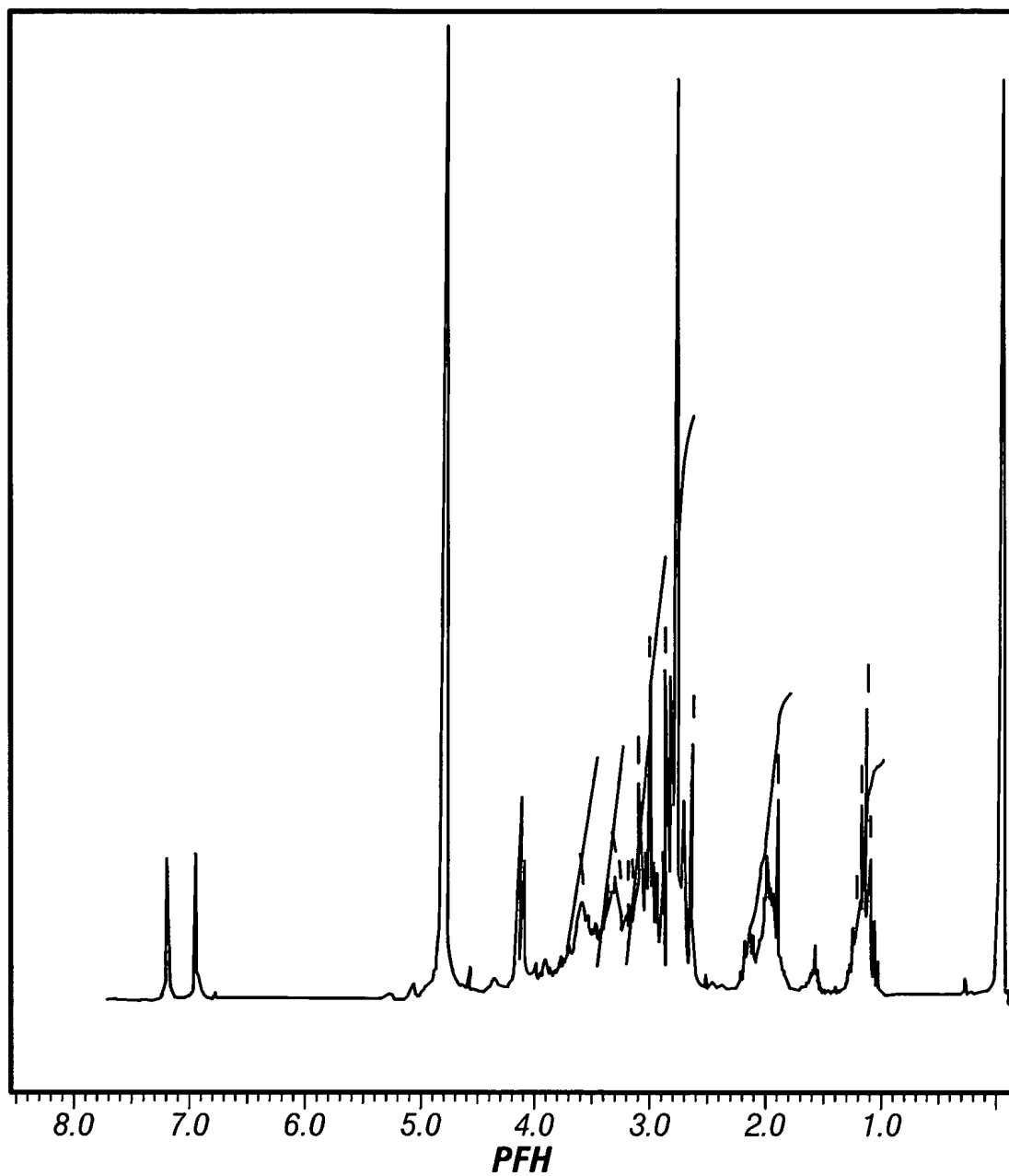
FIG. 6A

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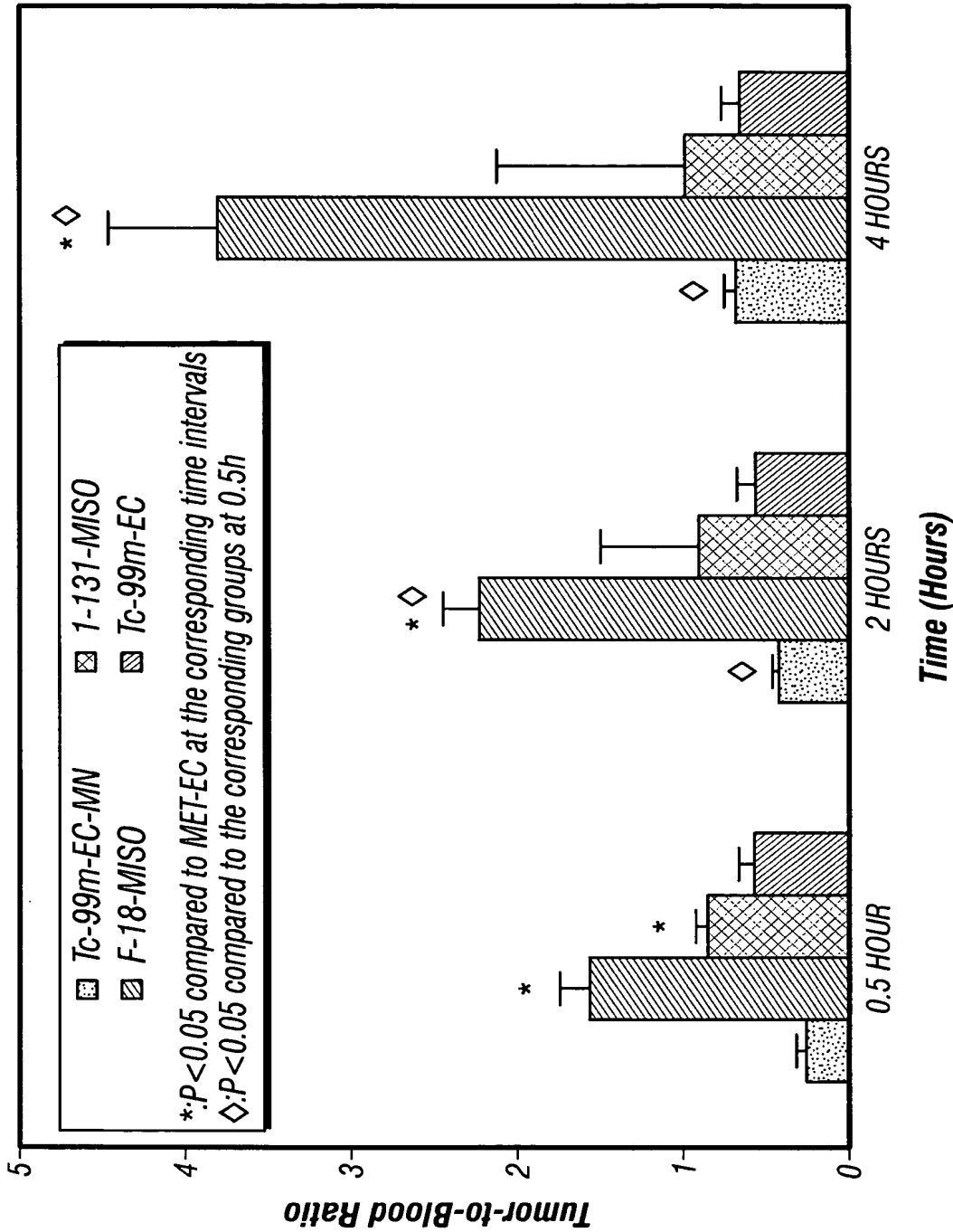


FIG. 9

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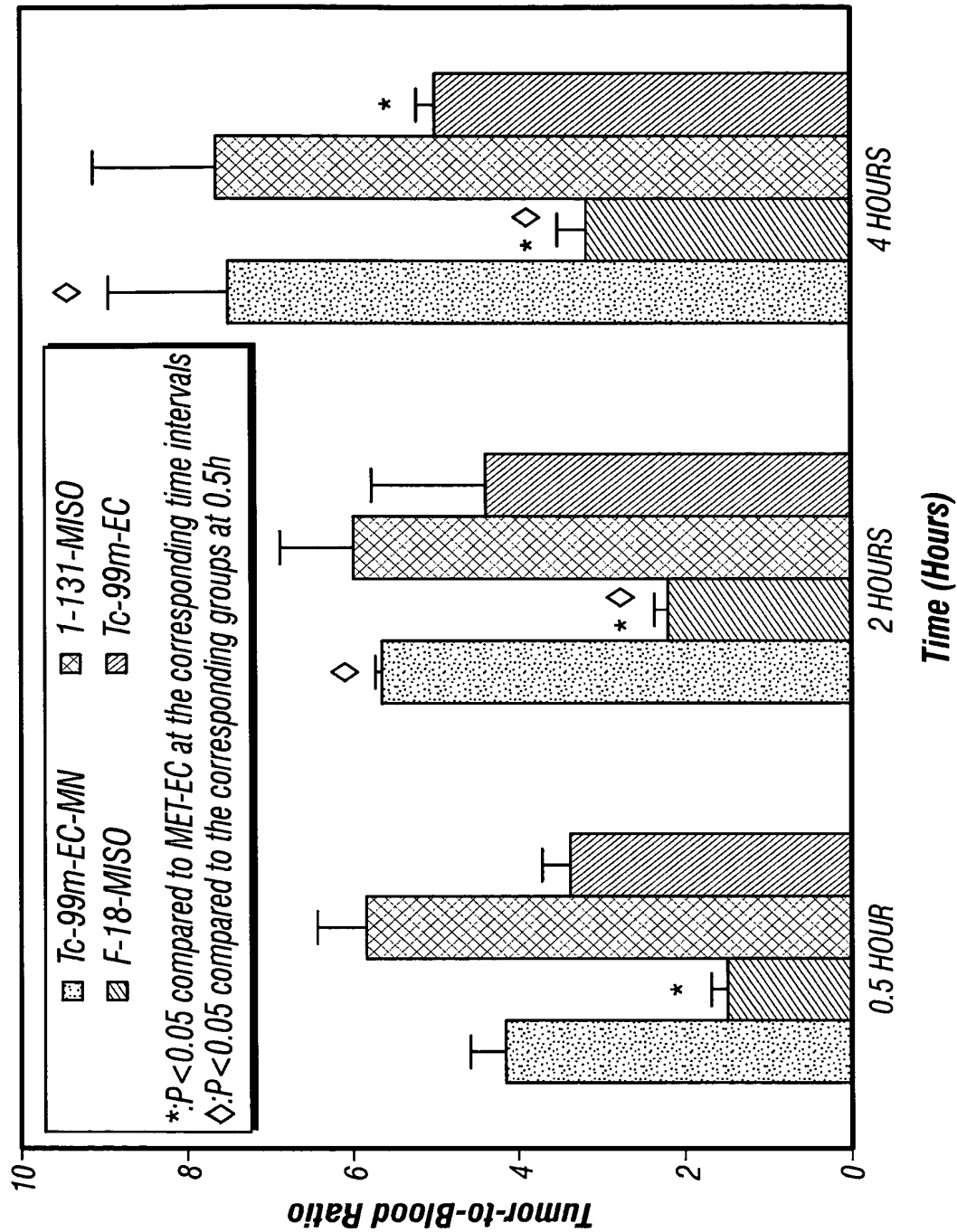


FIG. 10

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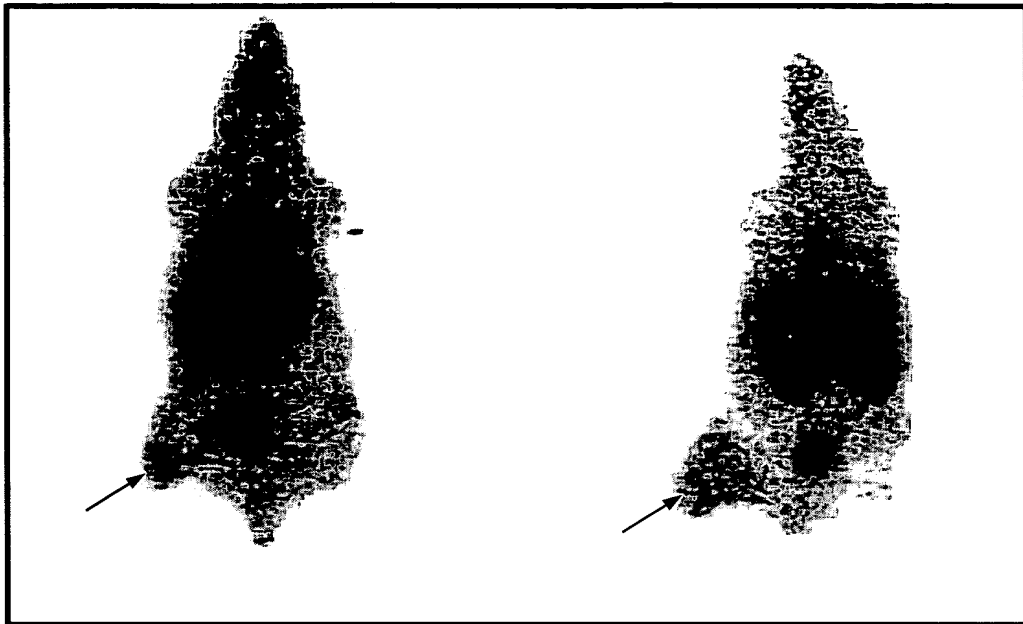


FIG. 11A

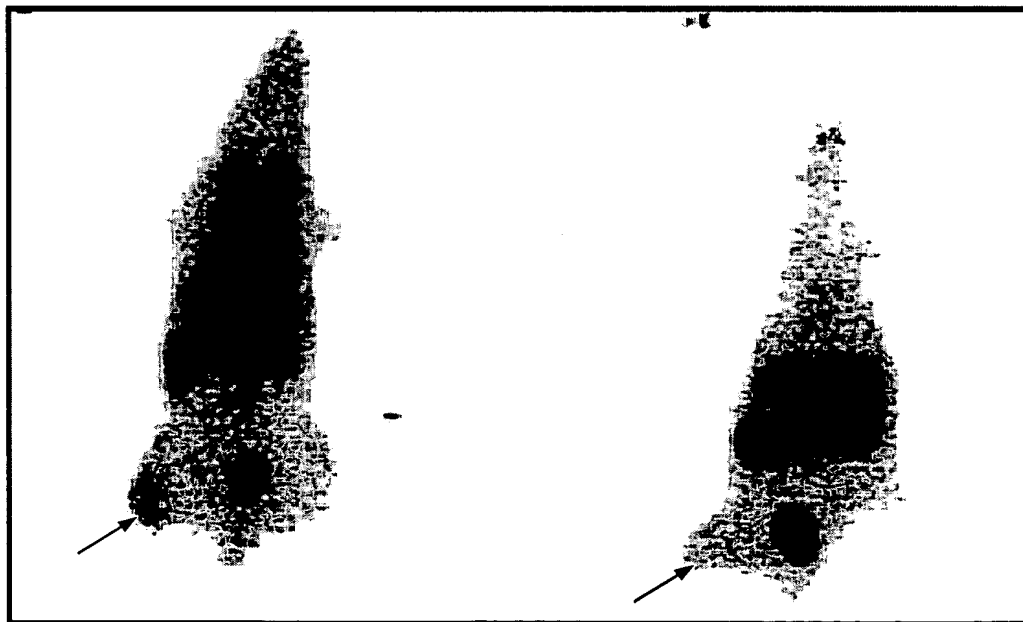


FIG. 11B

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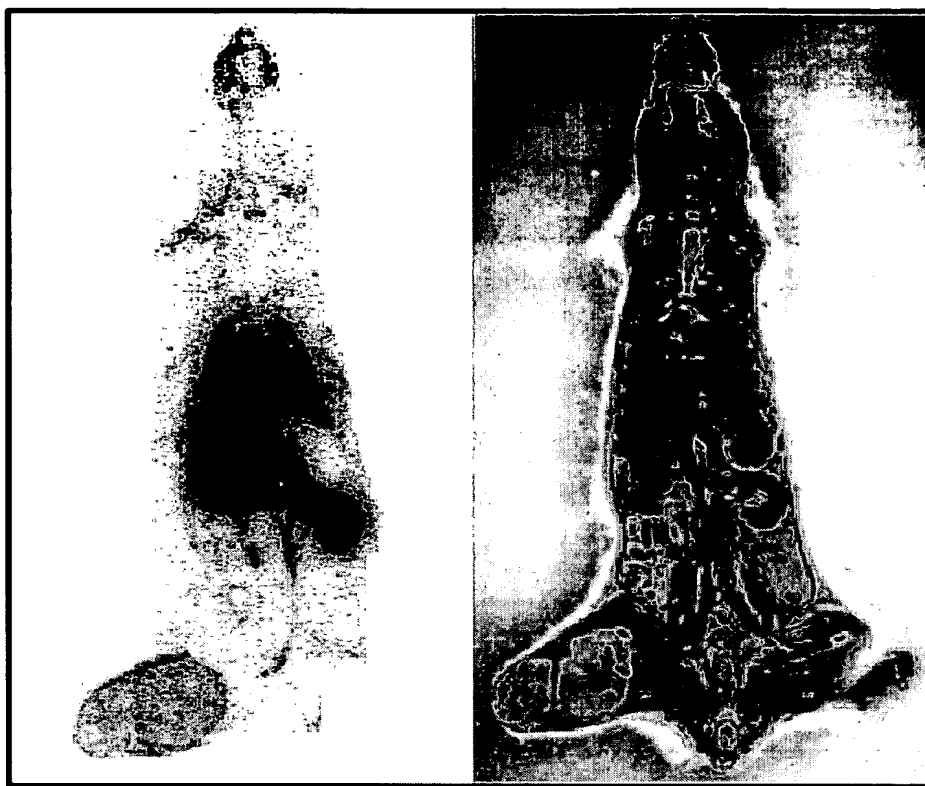


FIG. 12

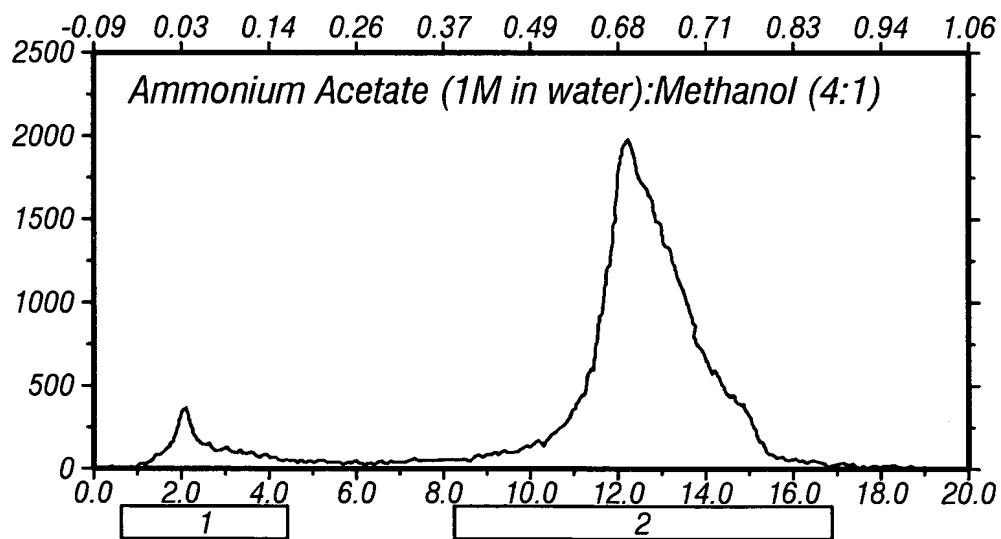


FIG. 13

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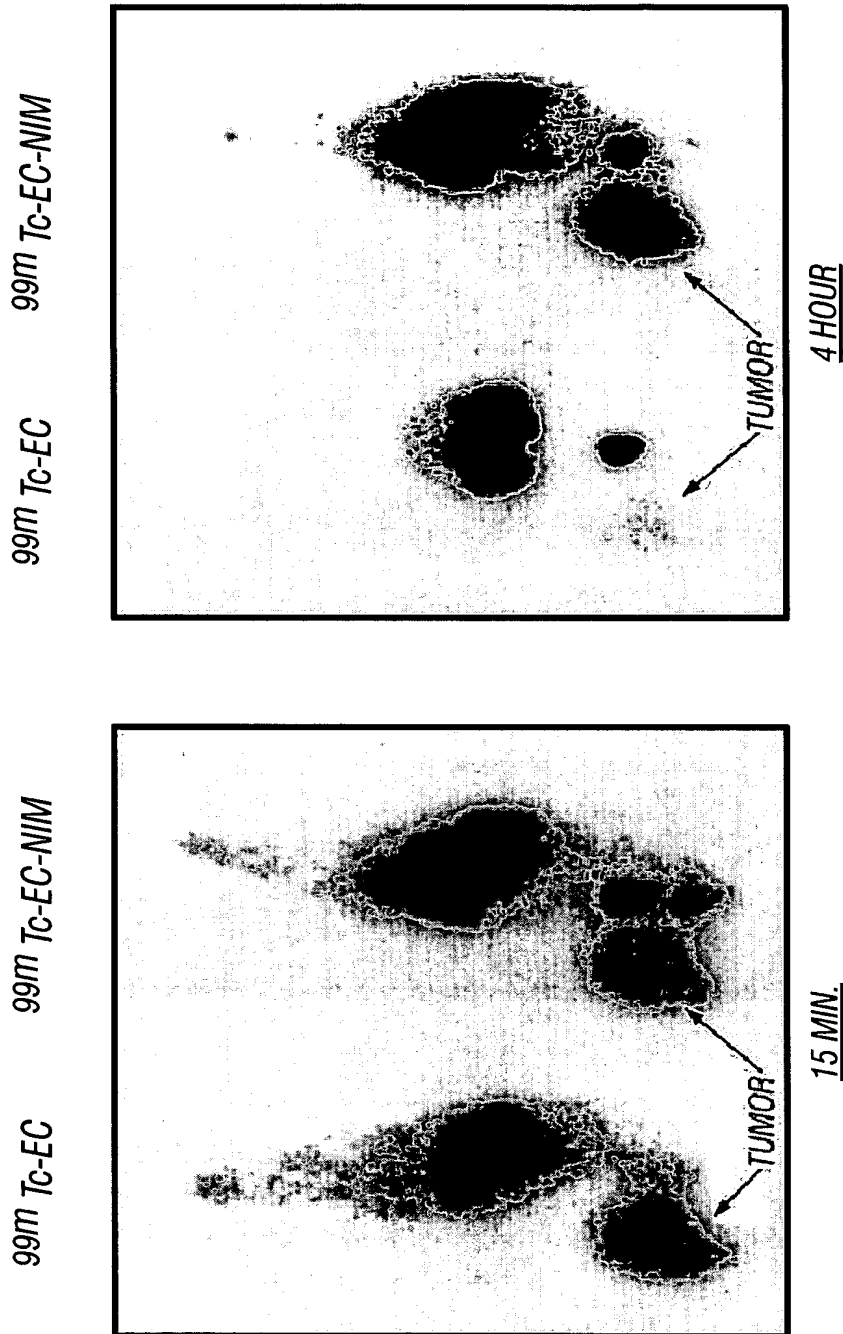


FIG. 14A

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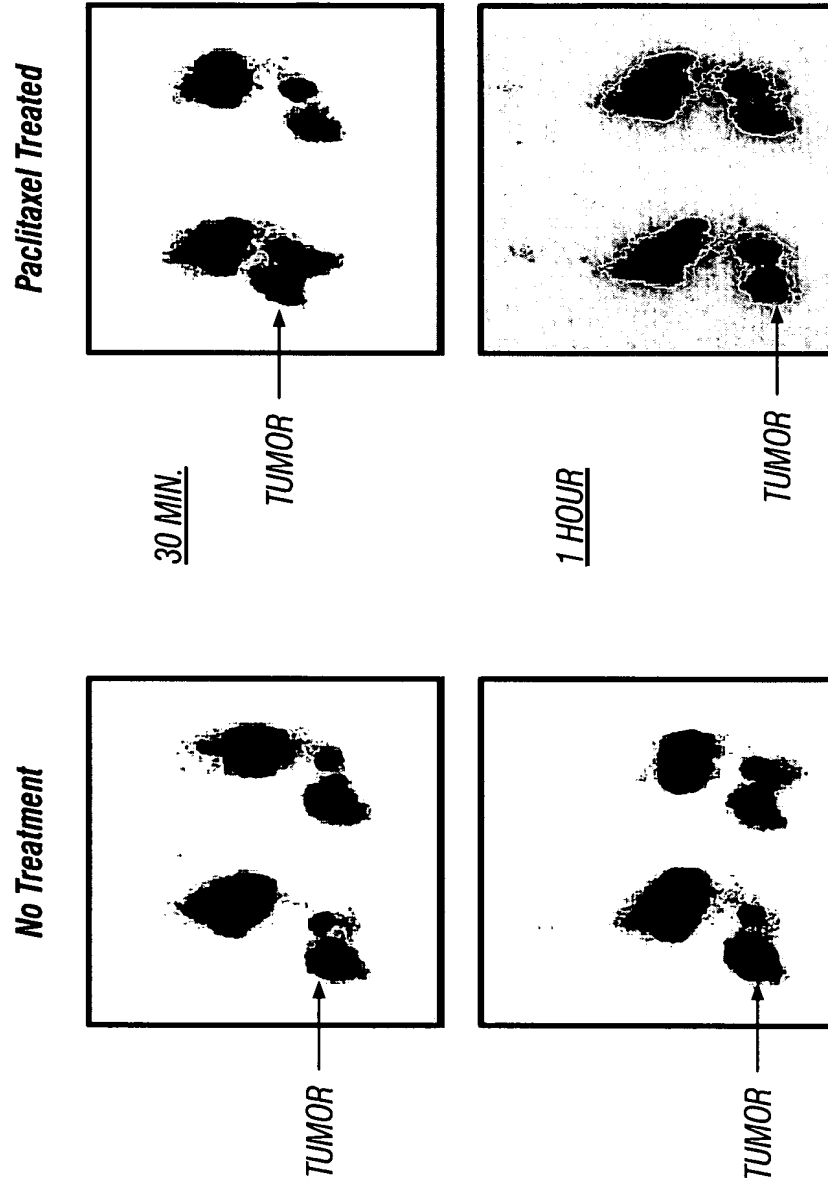


FIG. 14B

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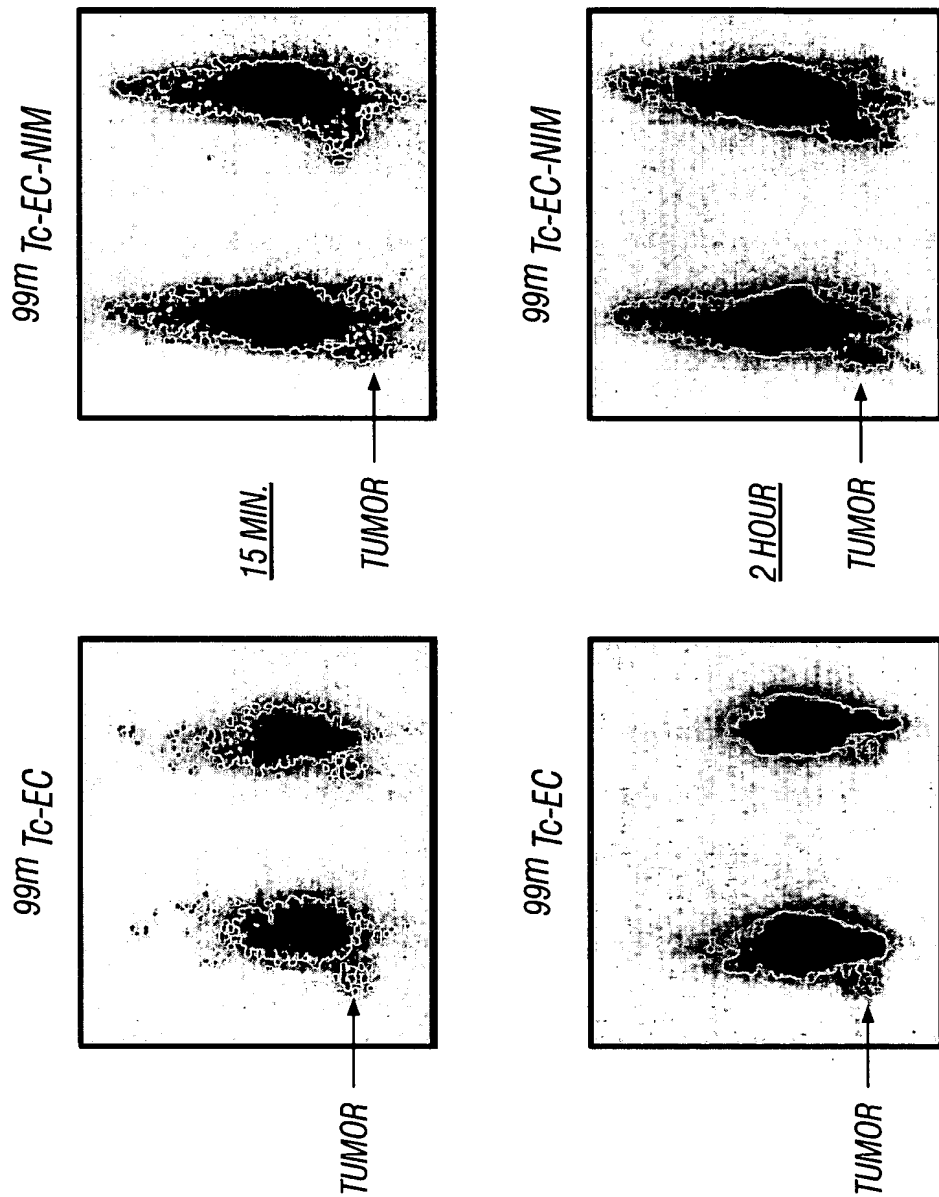


FIG. 15A

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99m Tc-EC-Nitroimidazole (NIM)
(100 μ Ci/mouse, iv.)

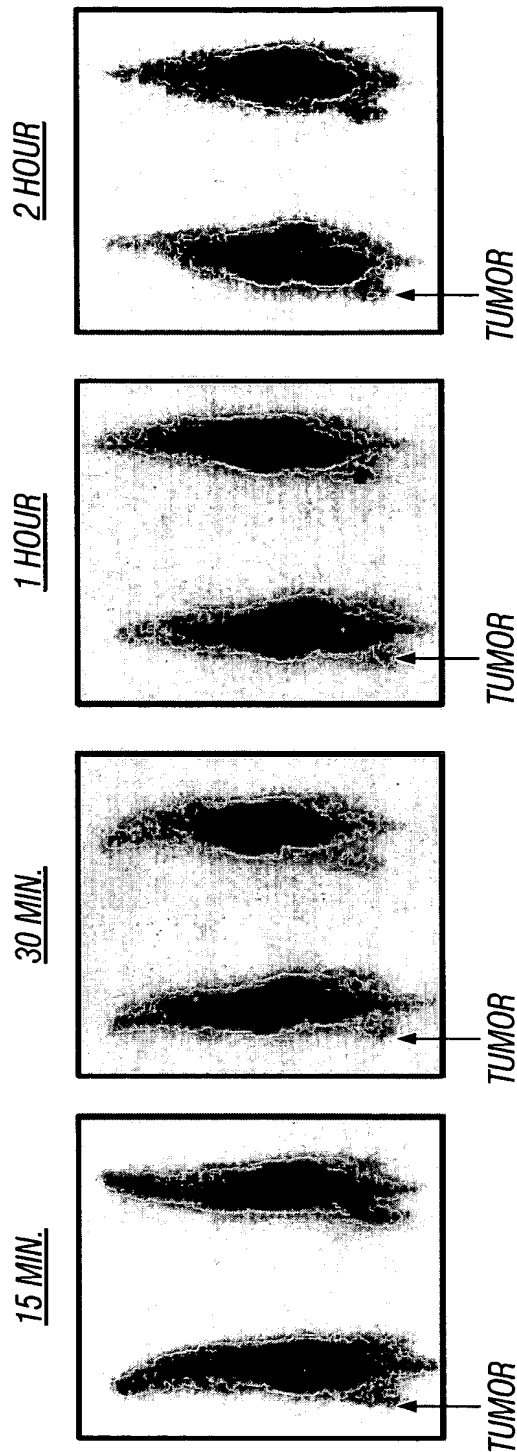
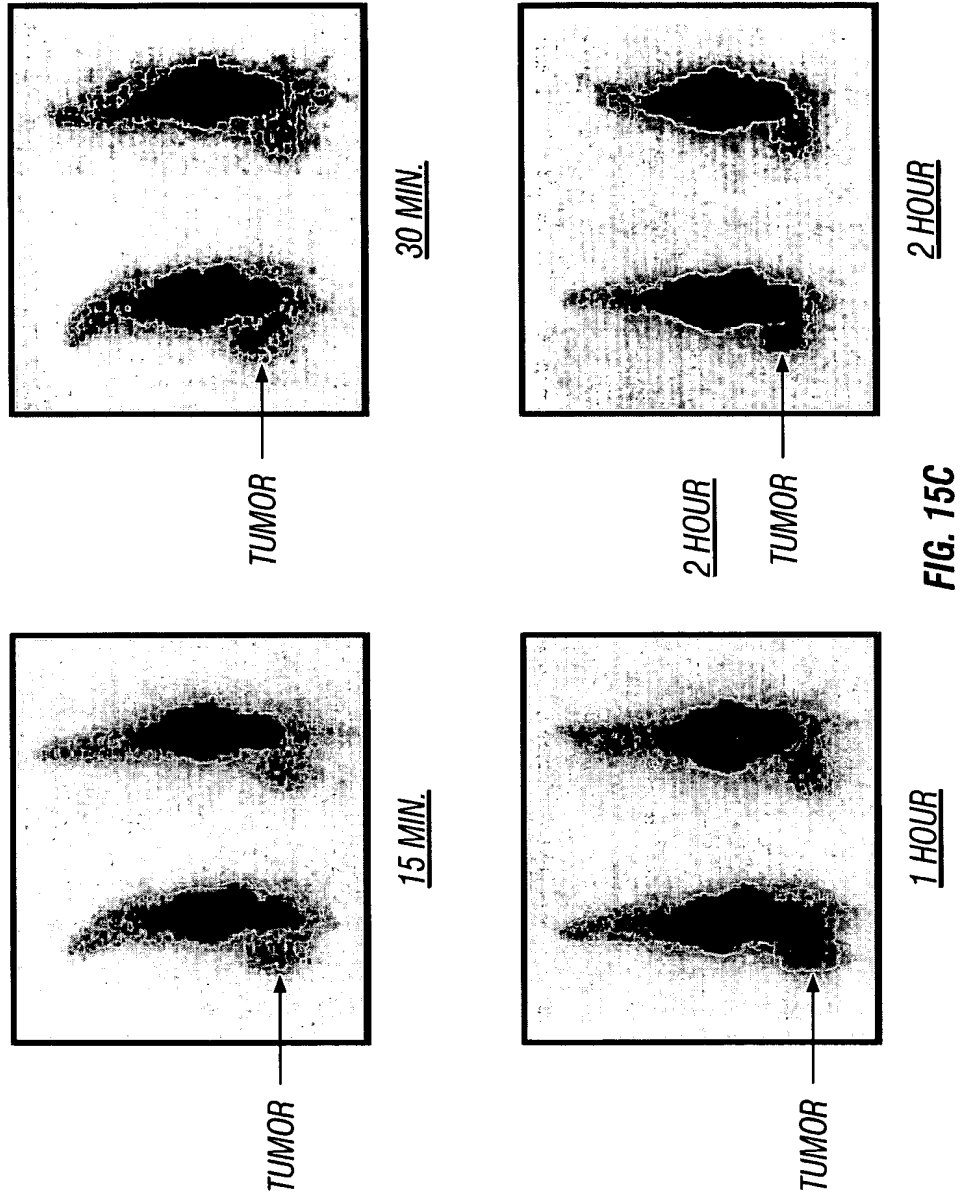


FIG. 15B

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^{99m}Tc-EC-Nitroimidazole (NIM)



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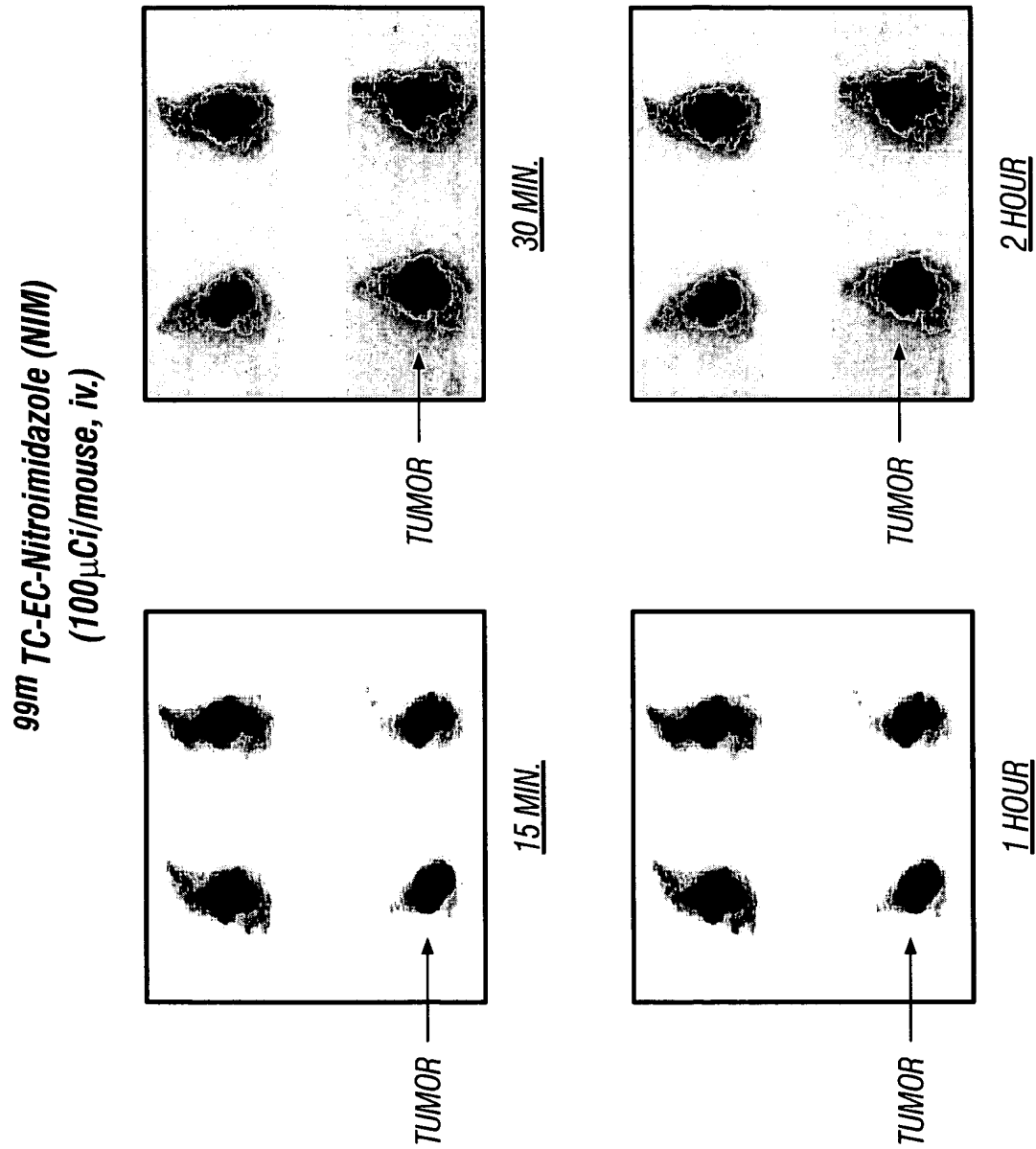


FIG. 15D

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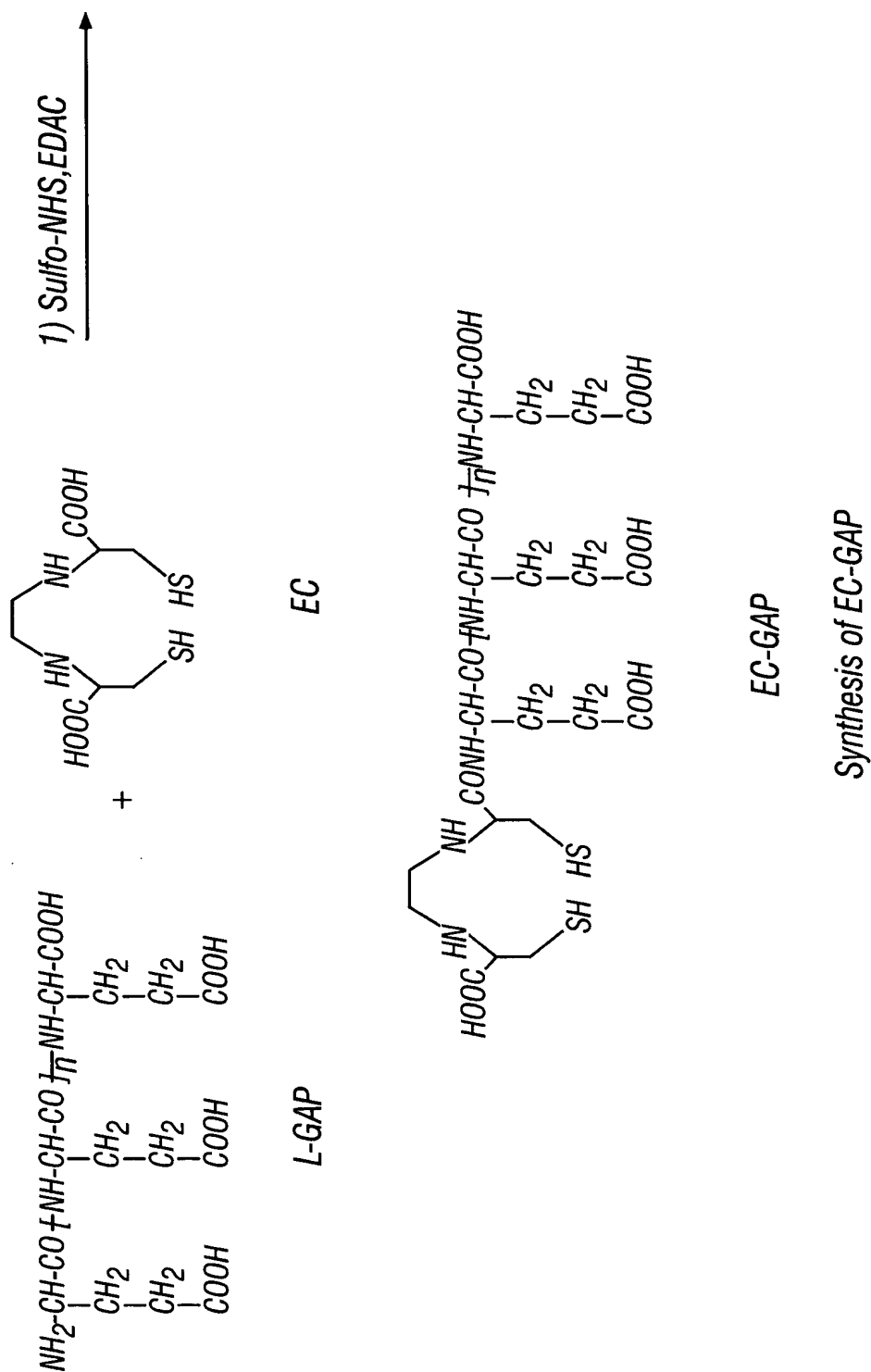


FIG. 16

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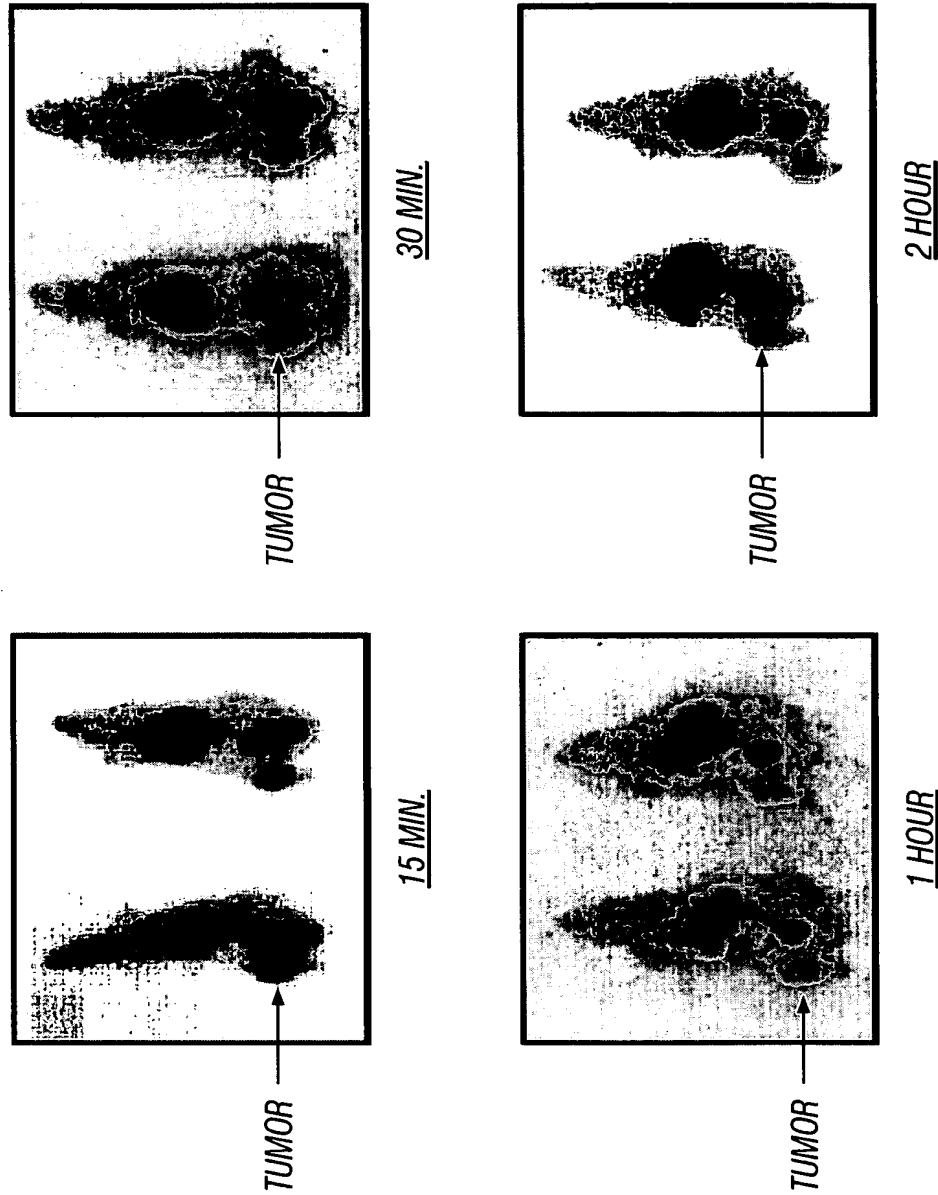


FIG. 17

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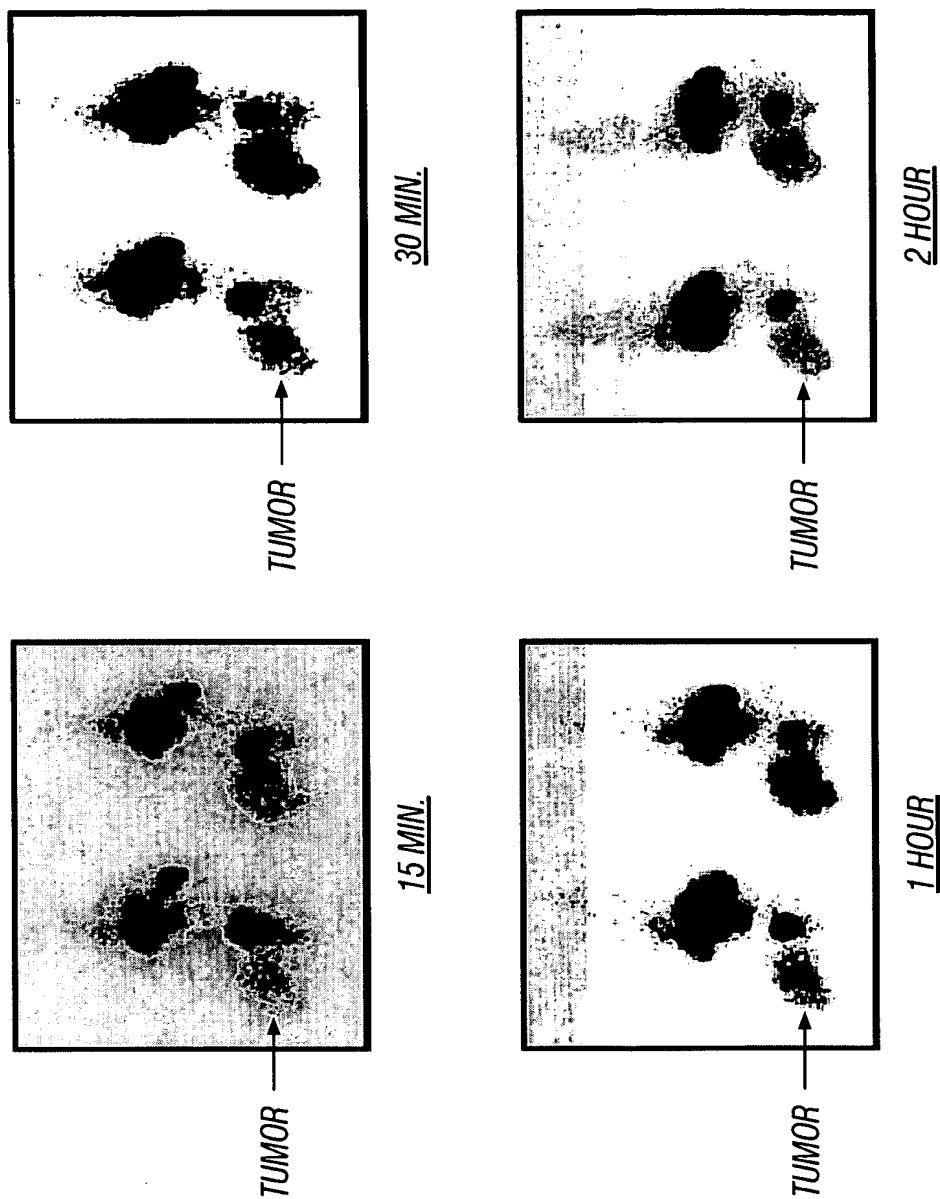


FIG. 18

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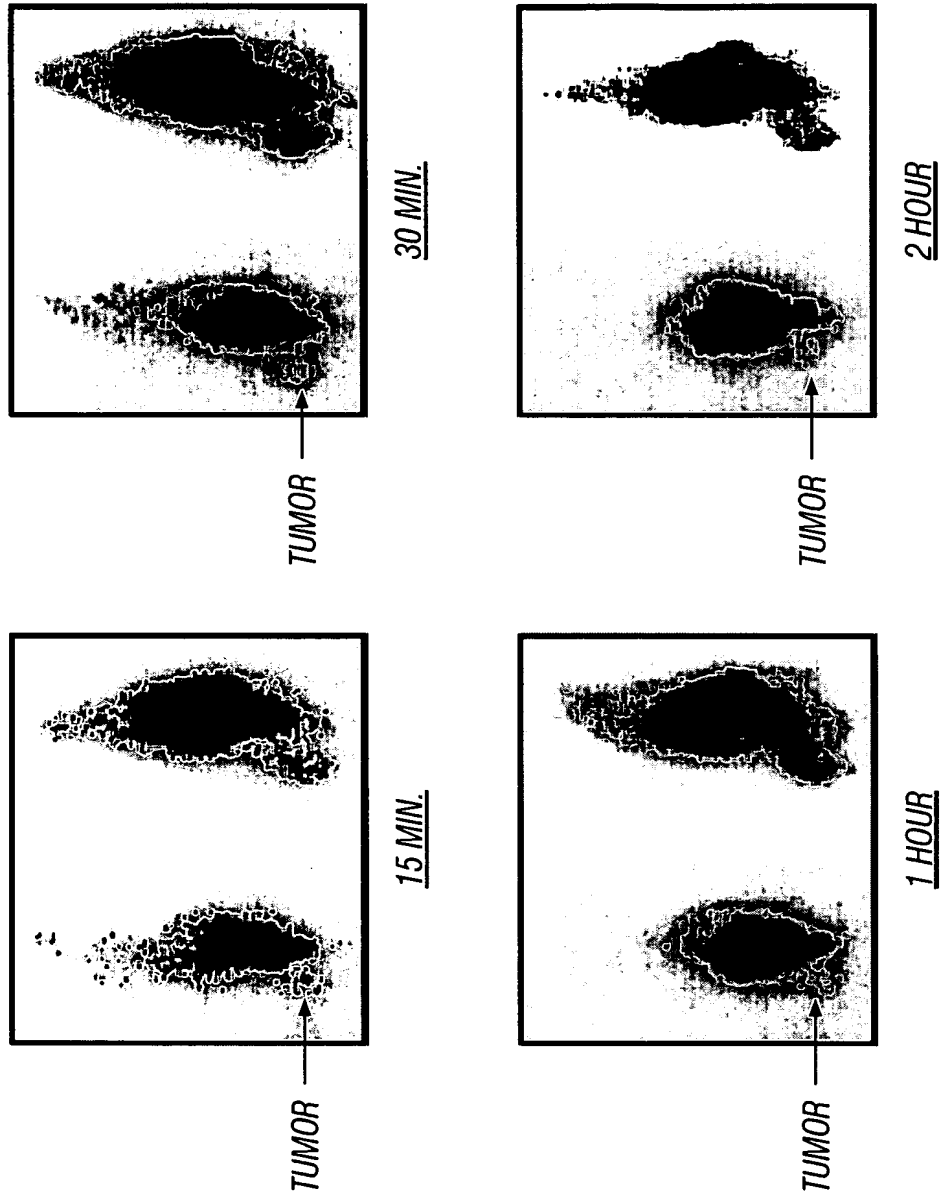


FIG. 19A

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***^{99m}Tc -EC-Annexin V
(100 μCi /mouse, iv.)***

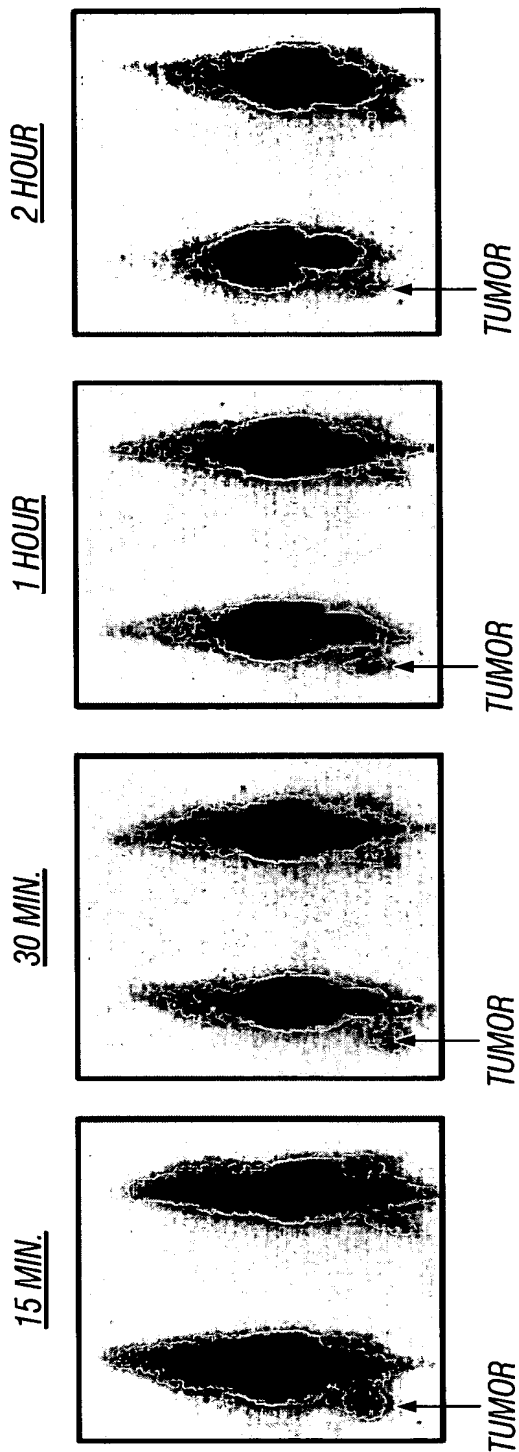
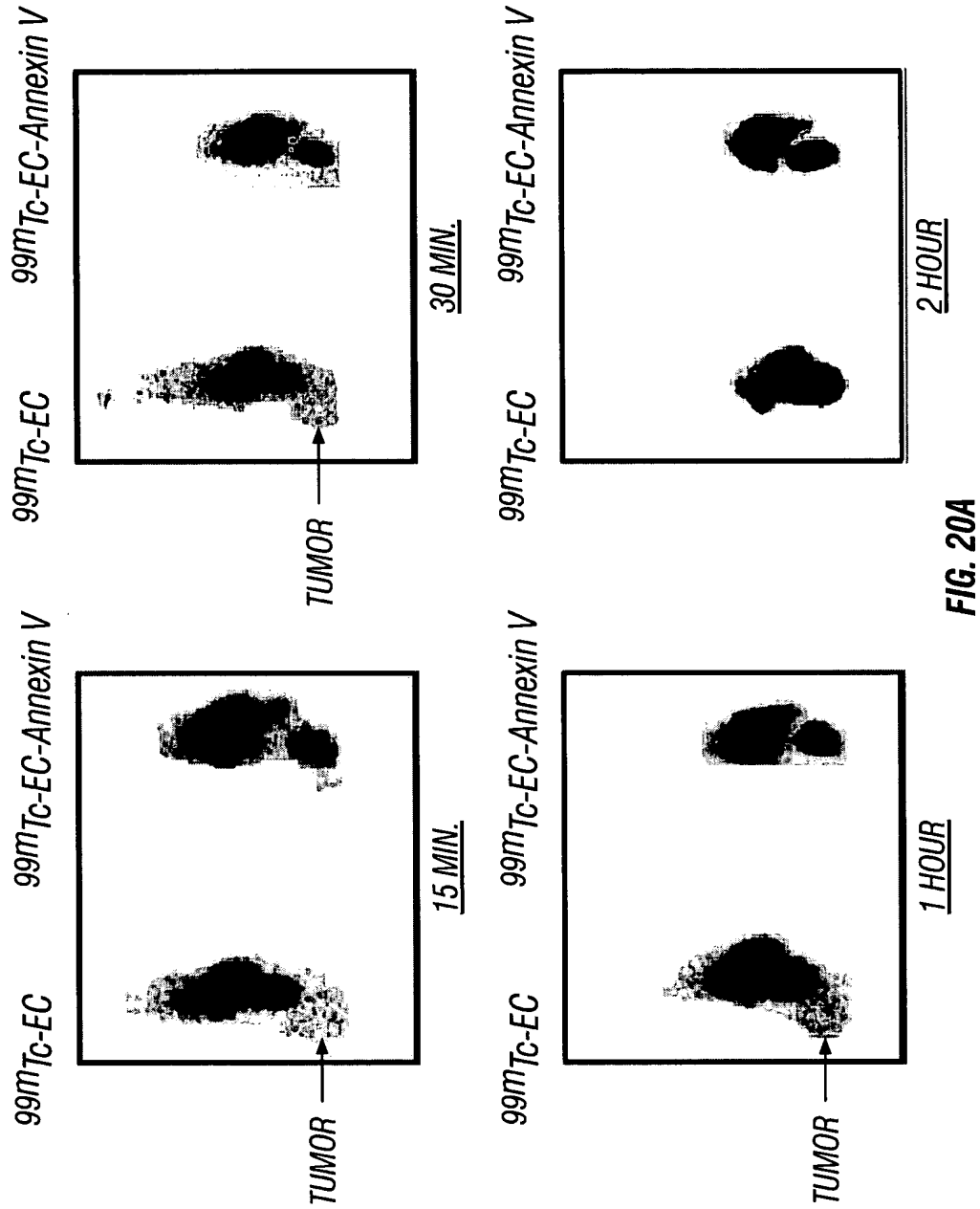


FIG. 19B

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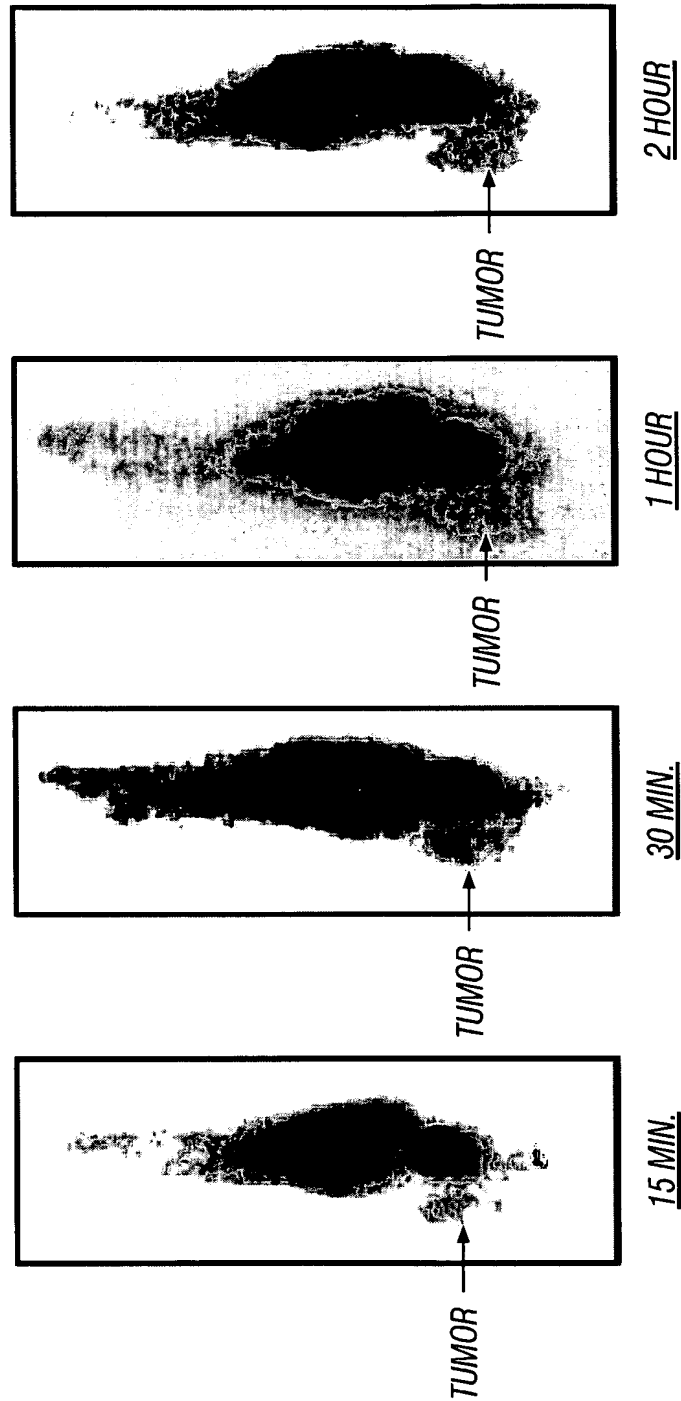


FIG. 20B

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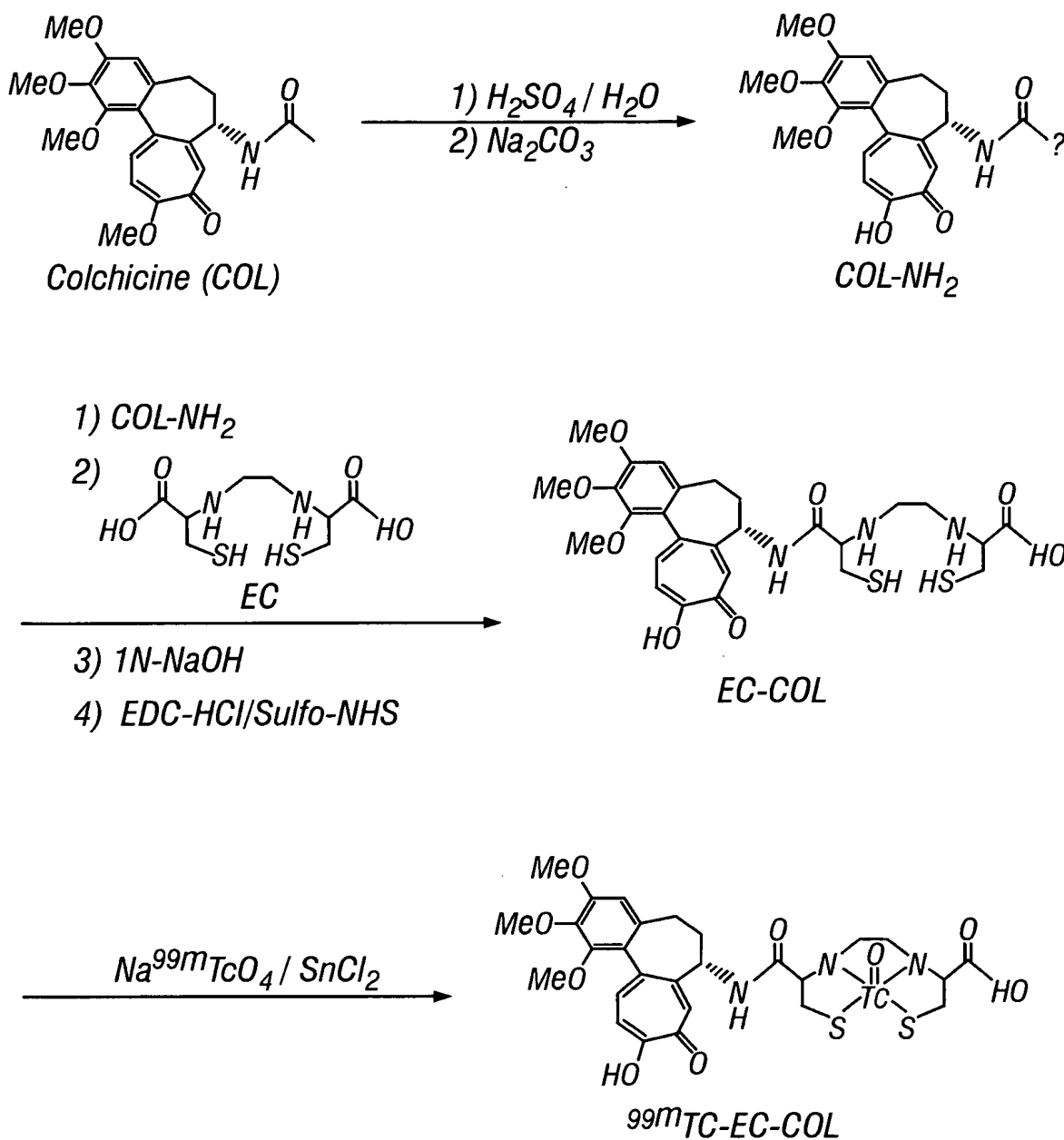


FIG. 21

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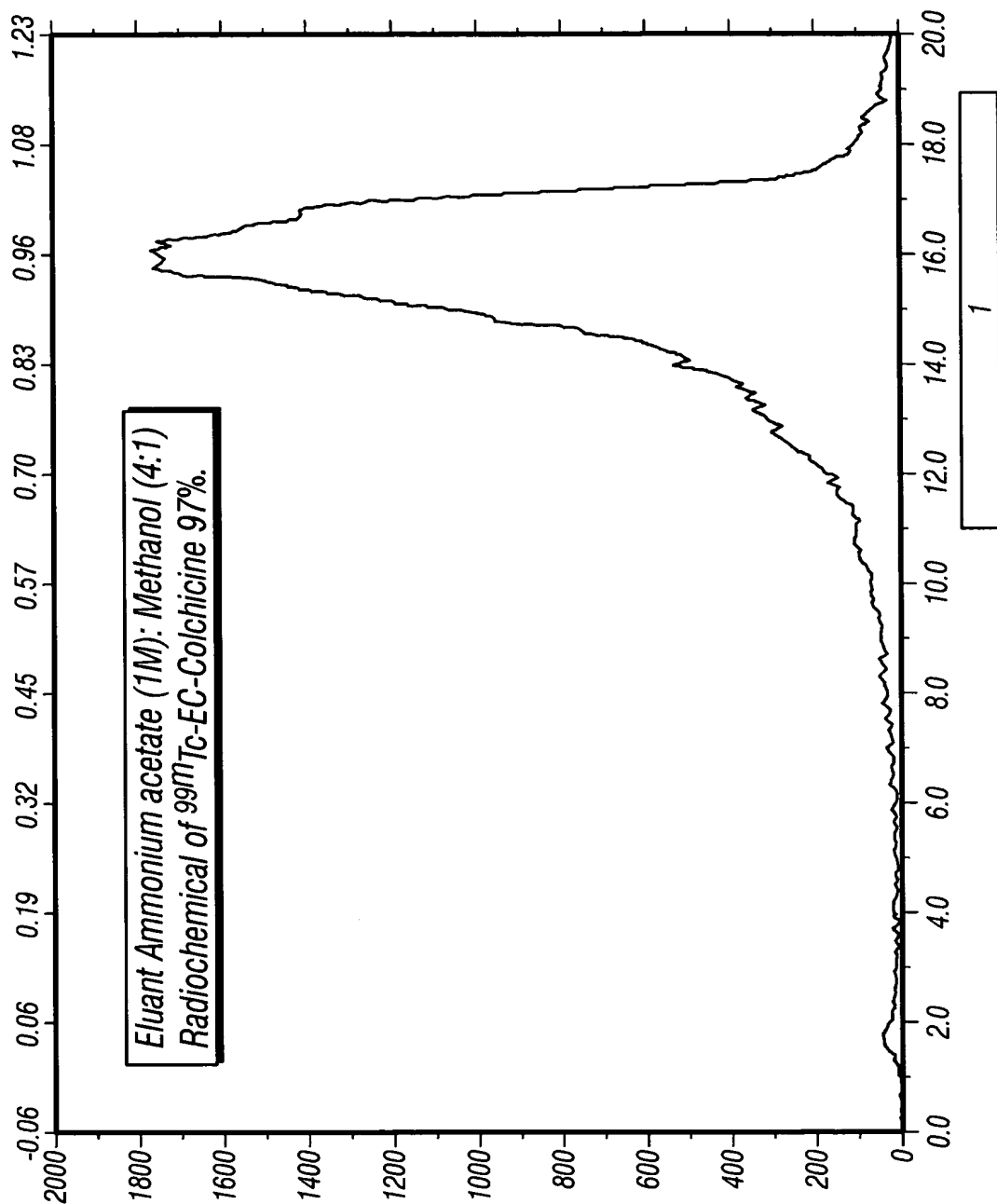


FIG. 22

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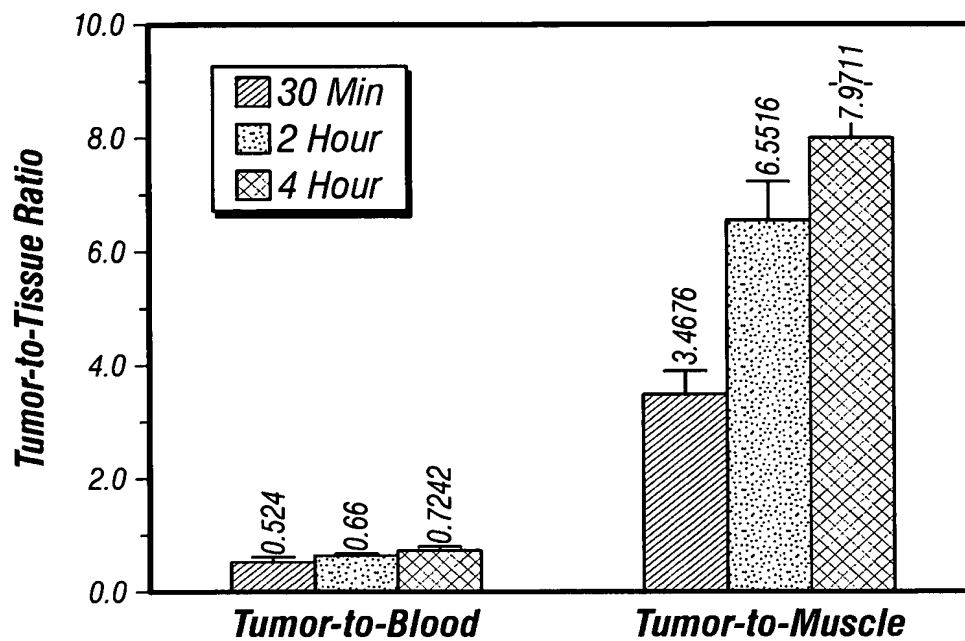


FIG. 23

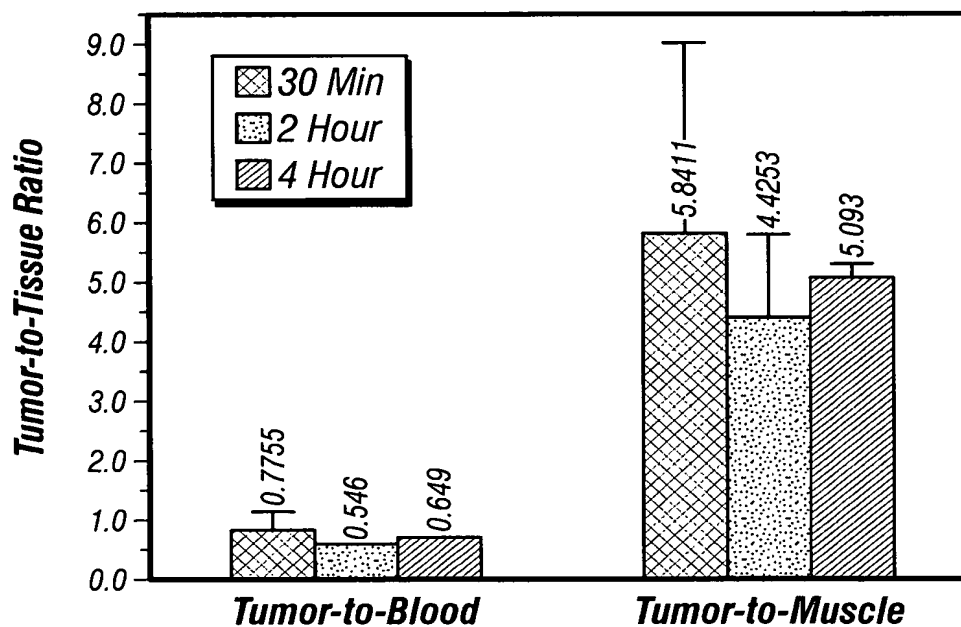


FIG. 24

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FIG. 25

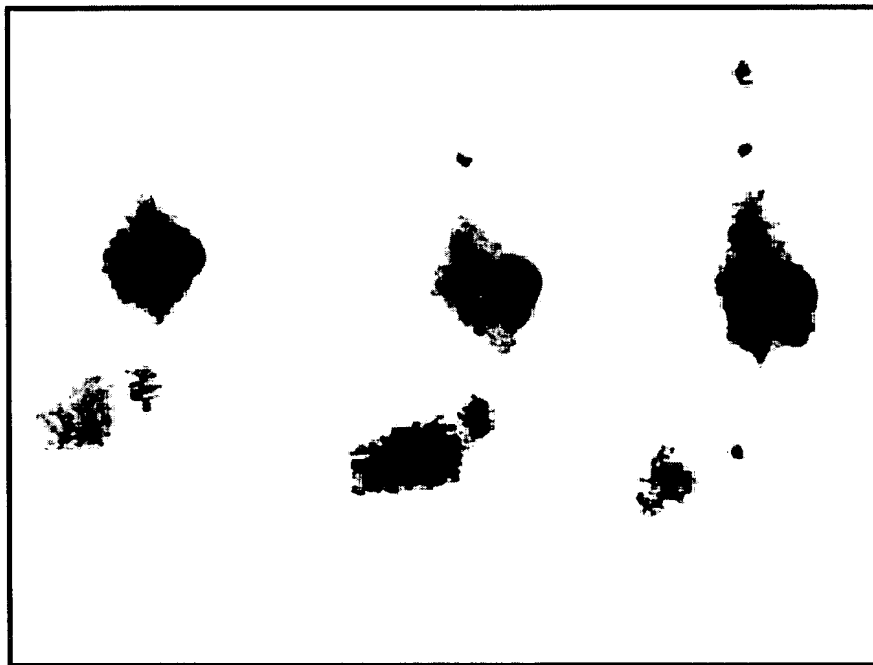
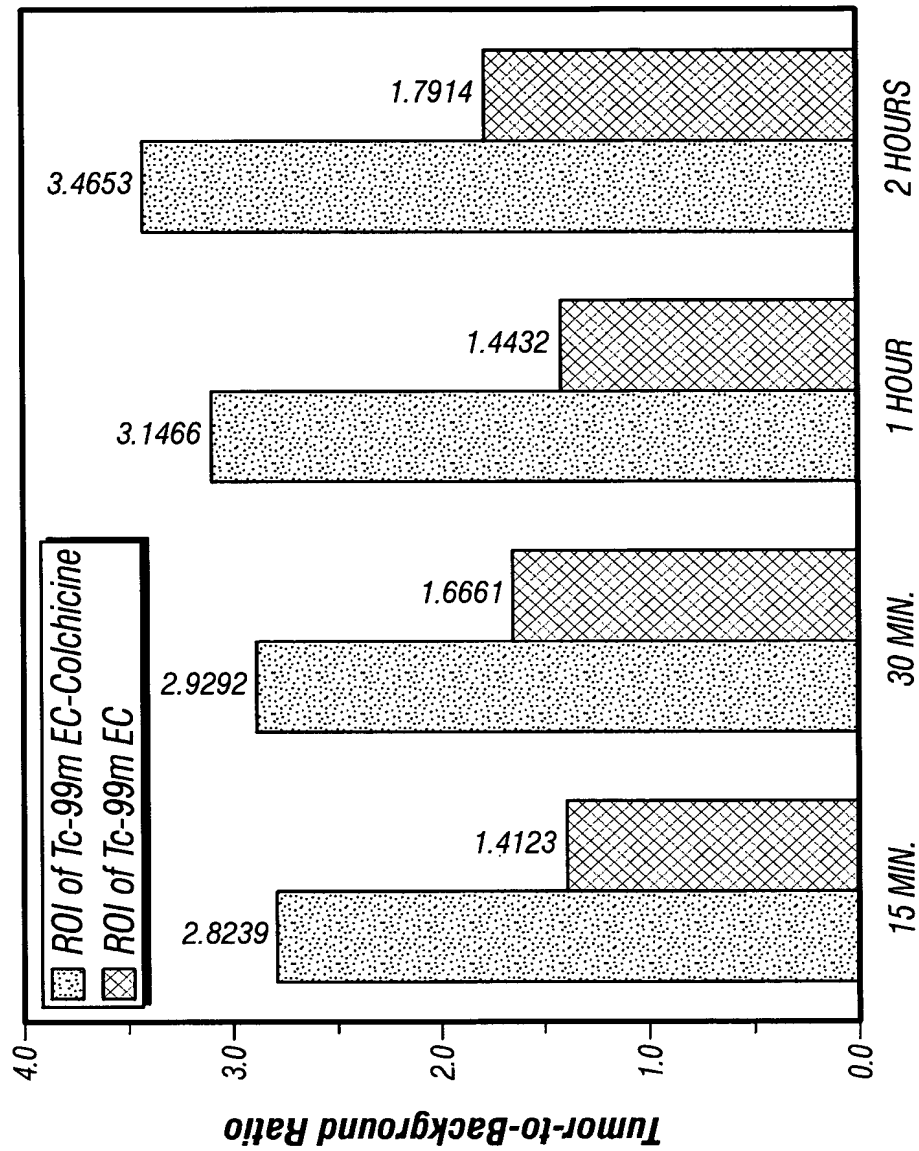


FIG. 26

30/89**FIG. 27**

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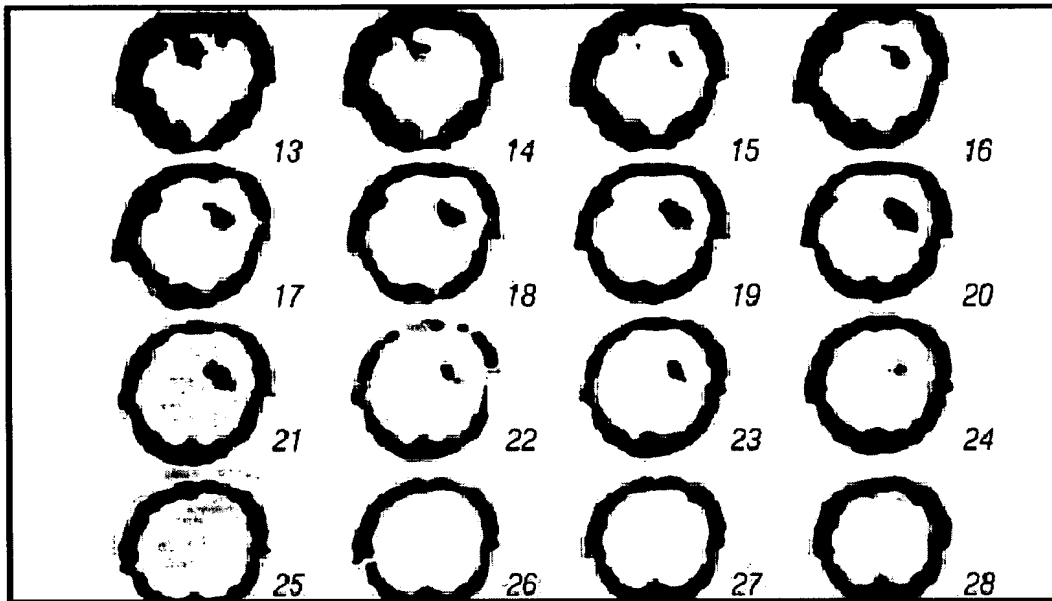


FIG. 28



FIG. 29

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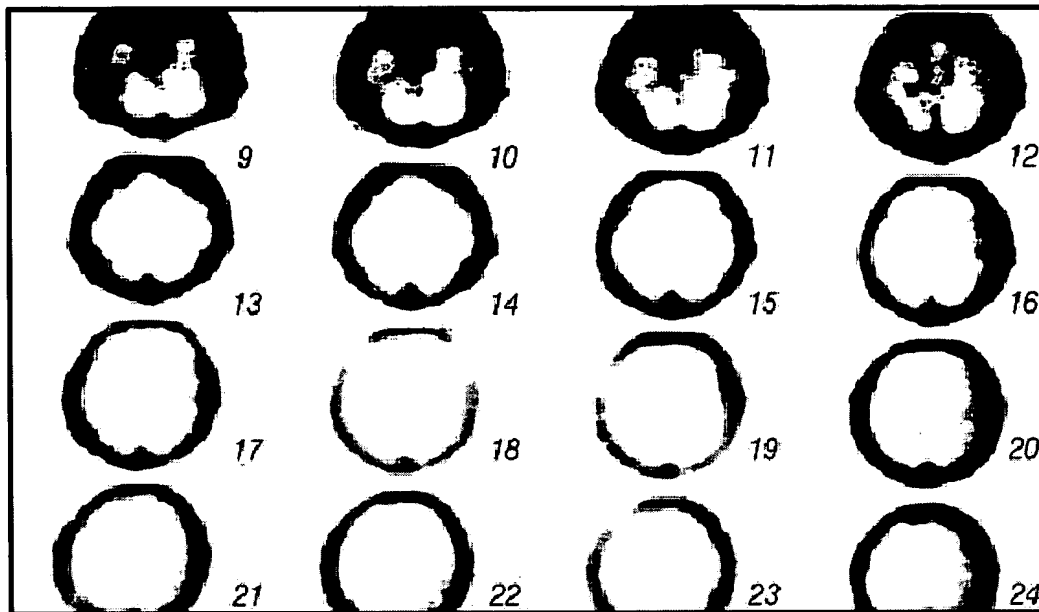


FIG. 30

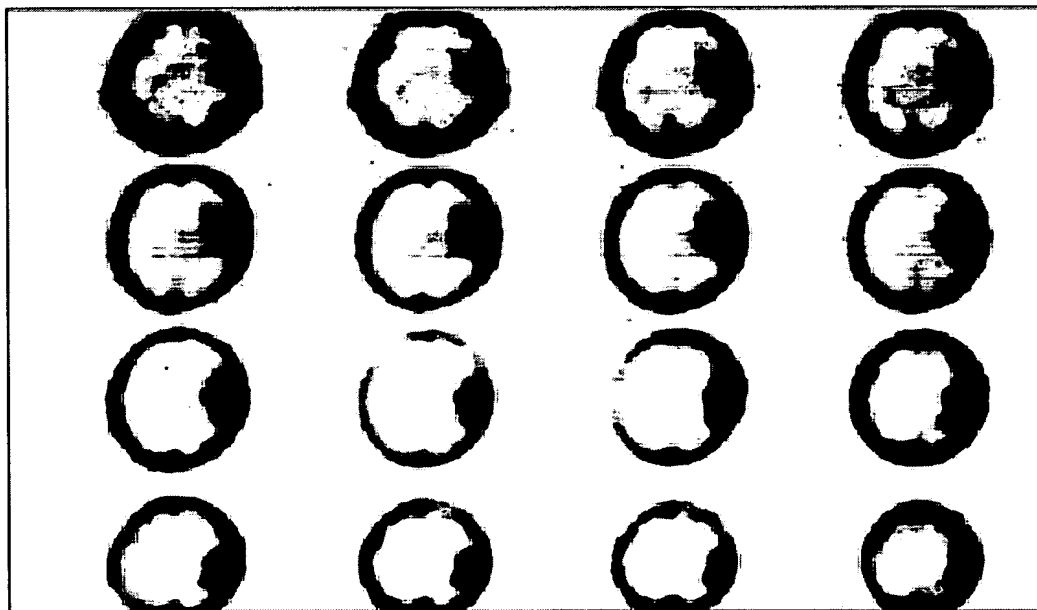


FIG. 31

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FIG. 33



FIG. 32

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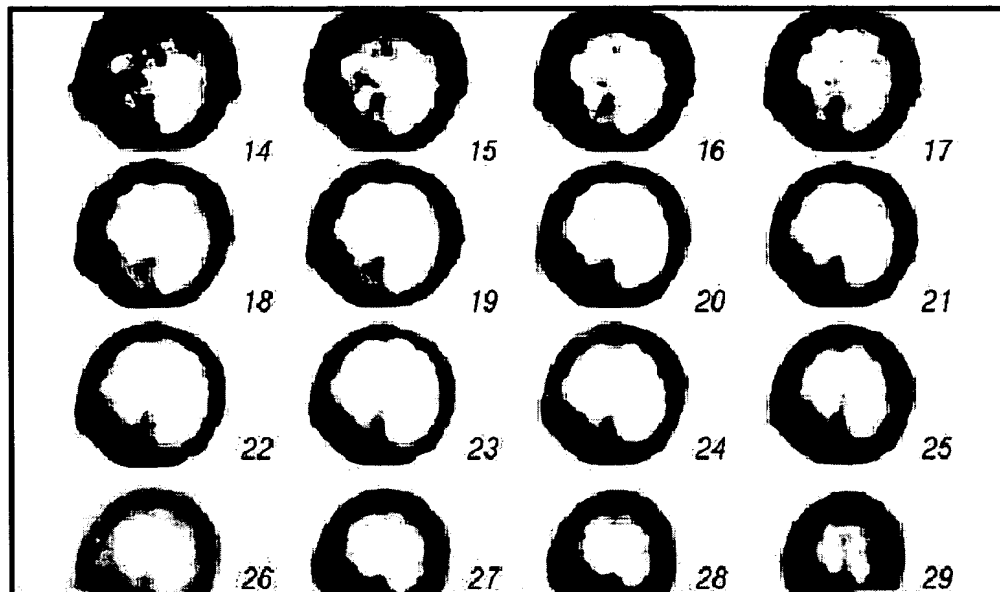


FIG. 34



FIG. 35

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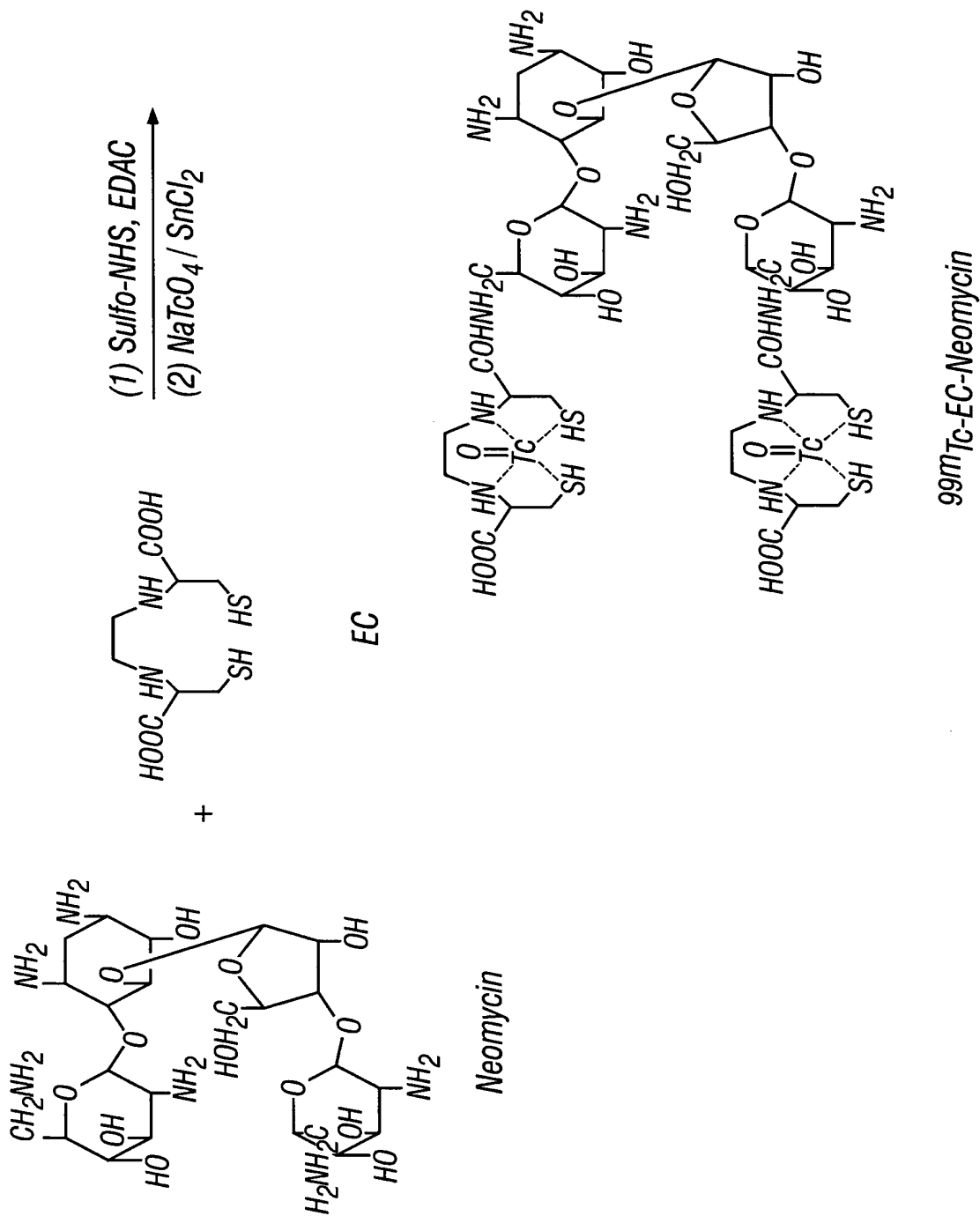


FIG. 36

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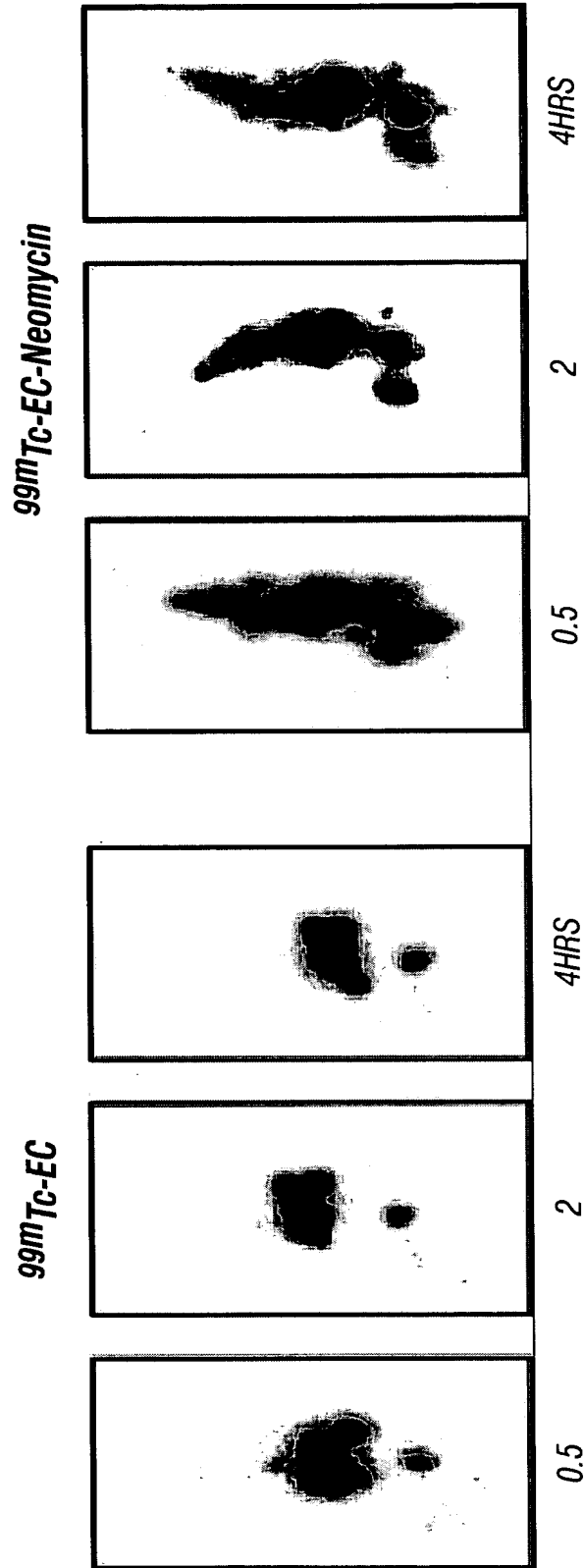


FIG. 37A

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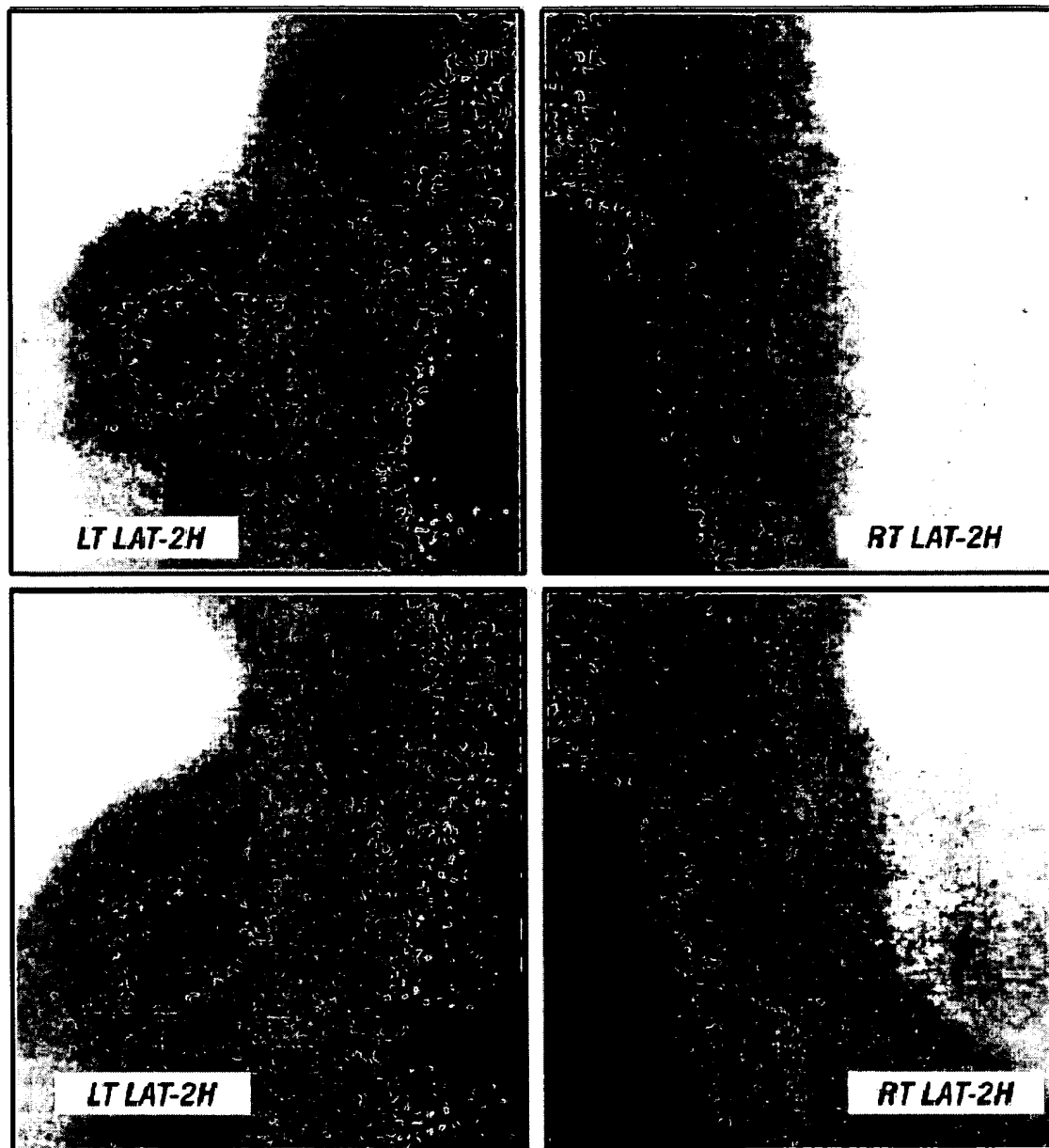
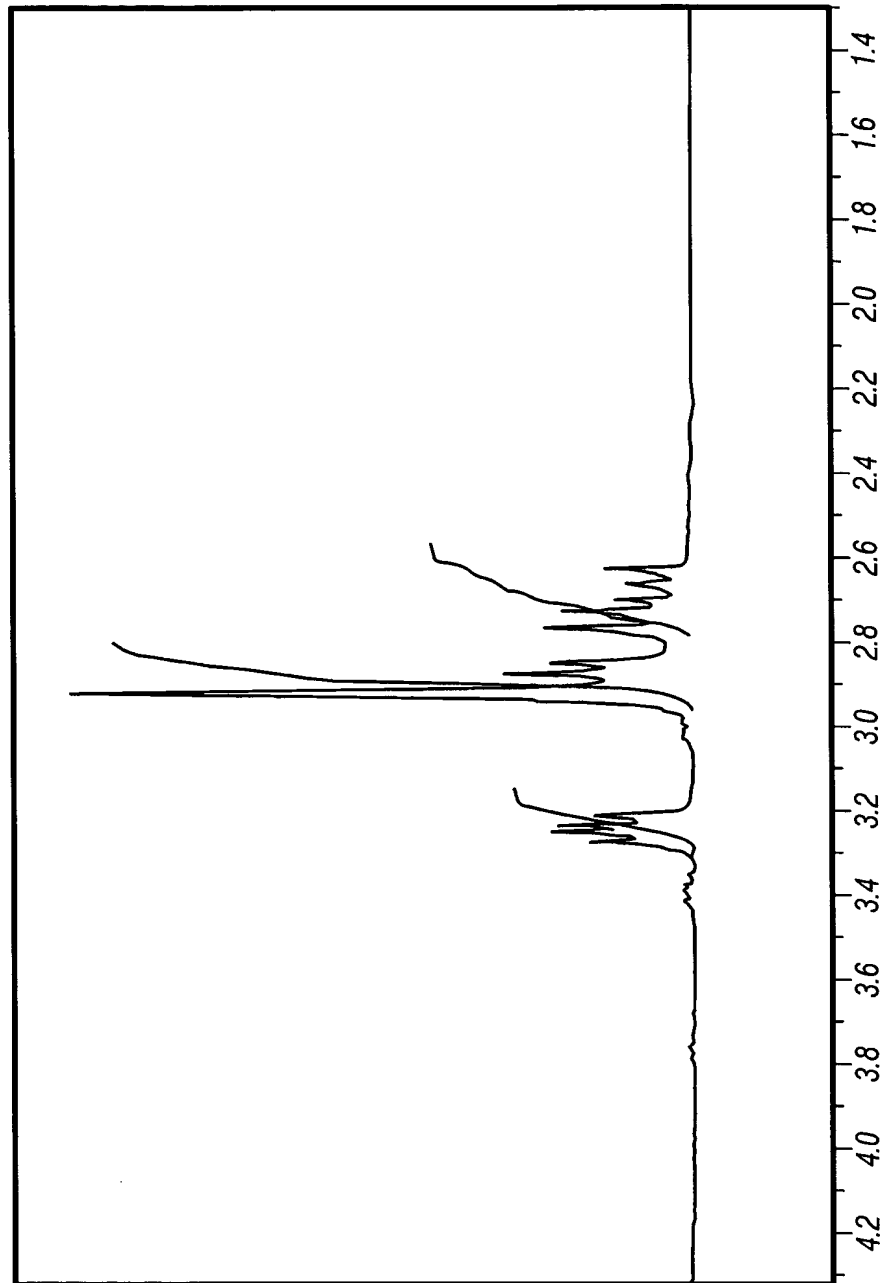


FIG. 37B

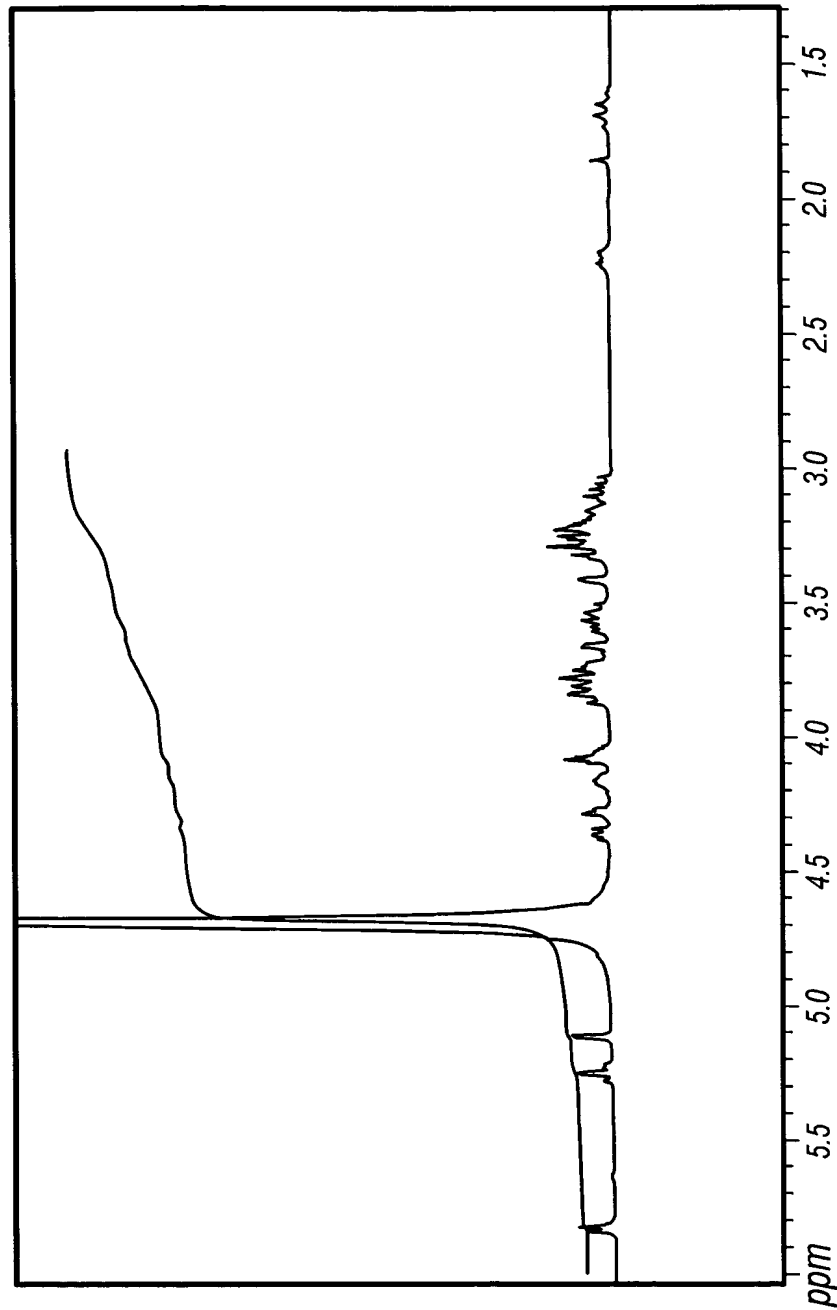
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^1H -NMR of EC.

FIG. 38A

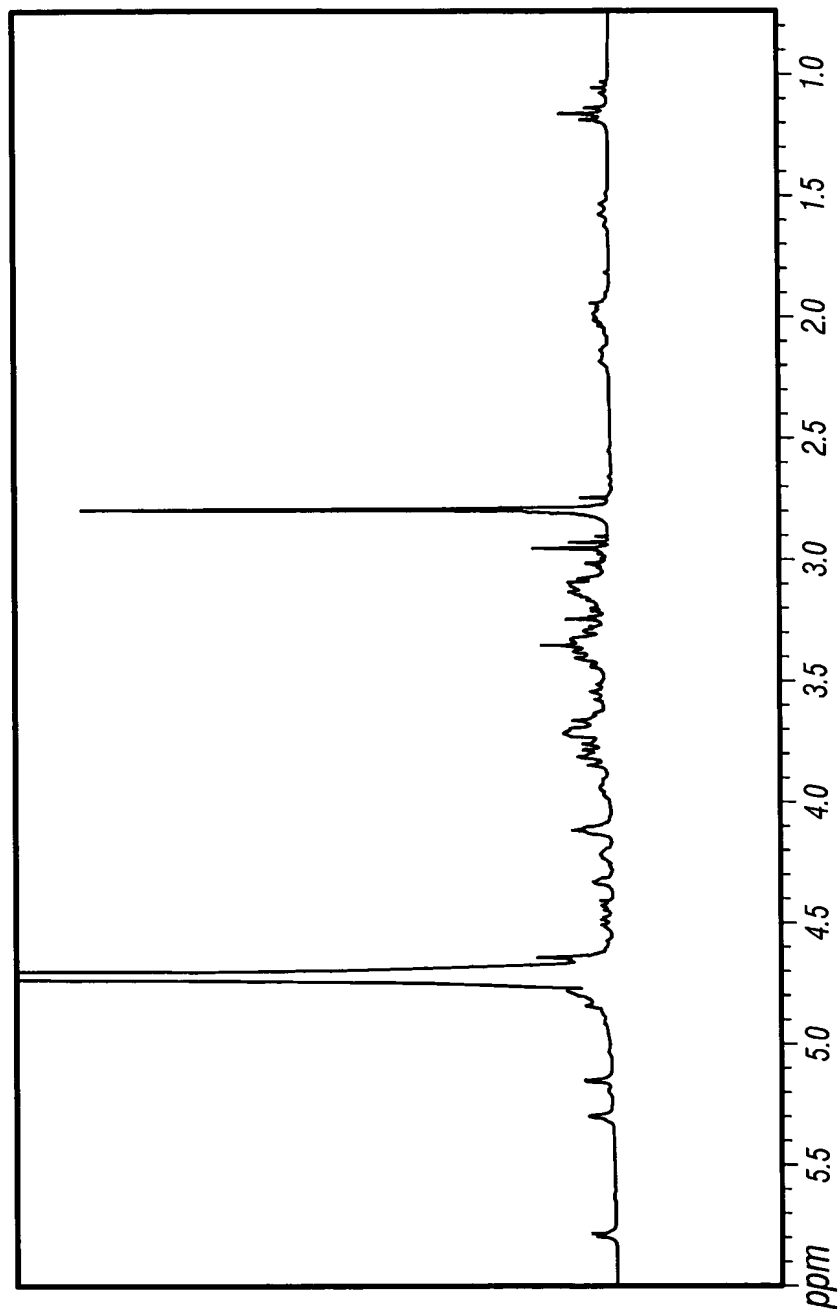
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^1H -NMR of neomycin

FIG. 38B

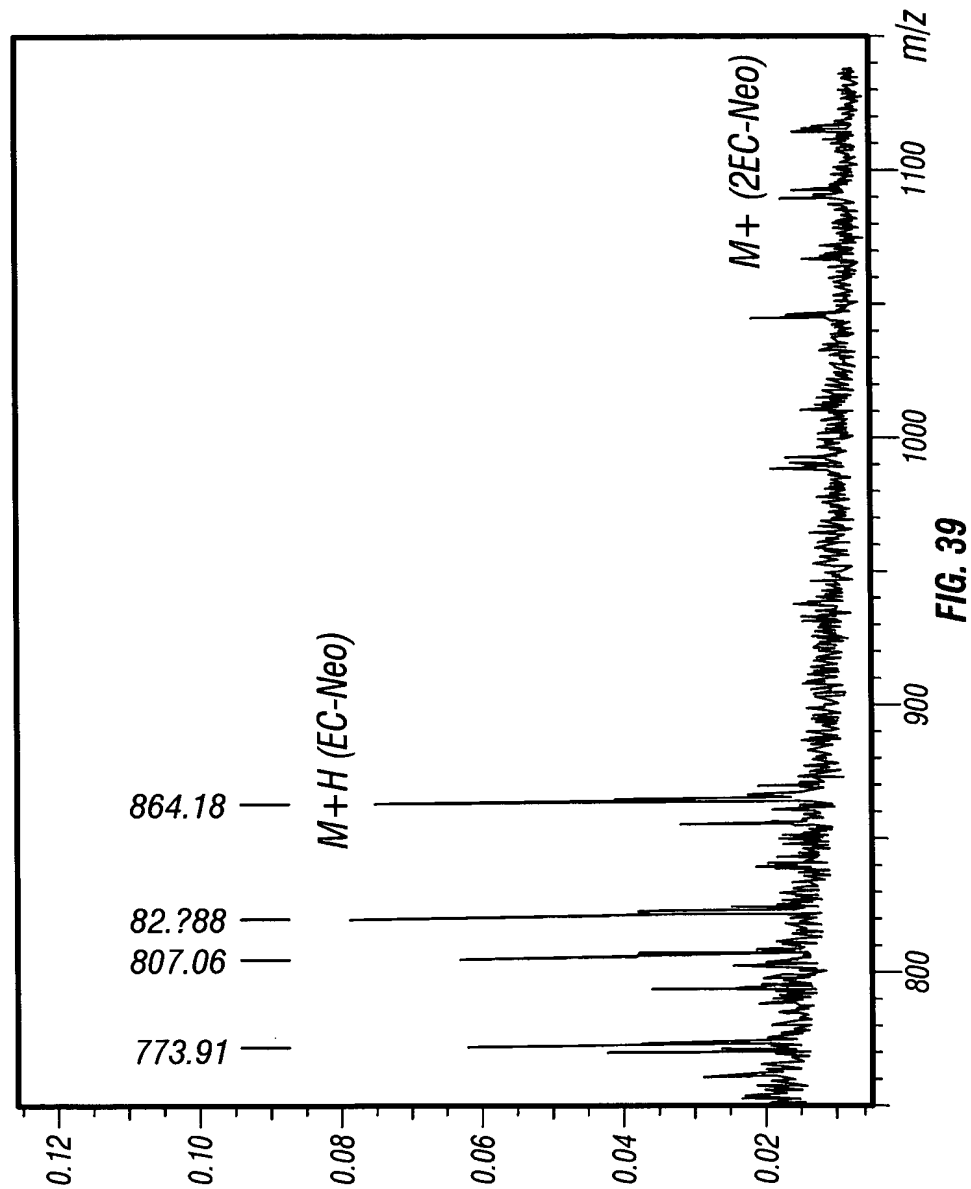
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^1H -NMR of EC-neomycin

FIG. 38C

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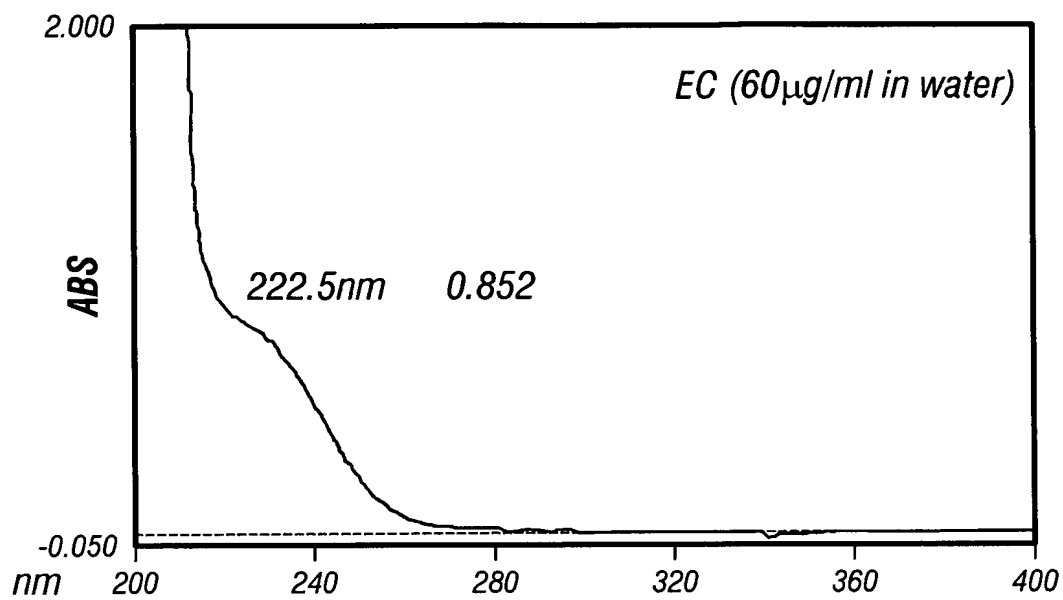


FIG. 40A

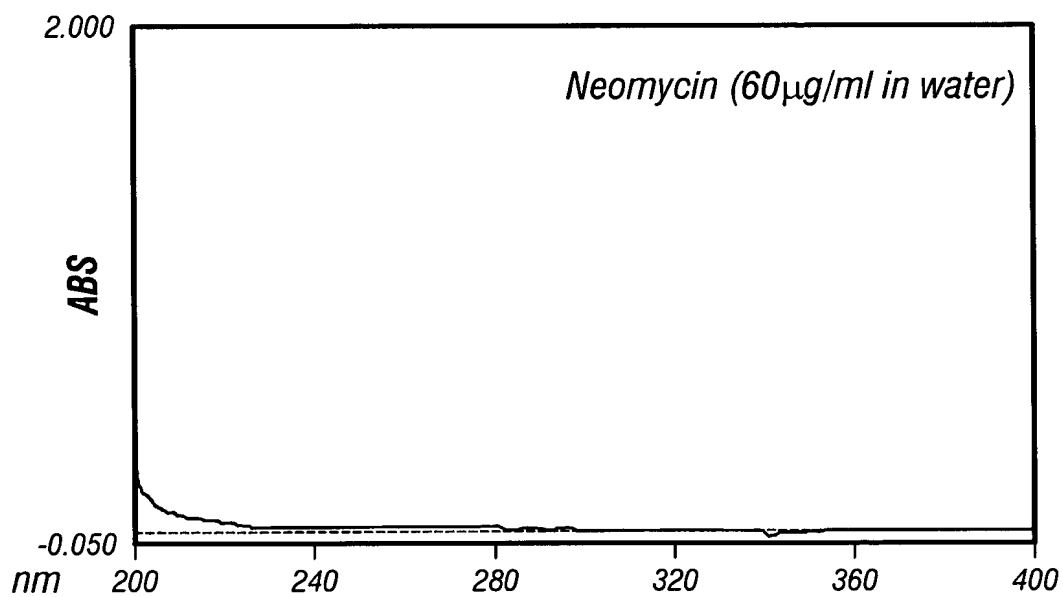
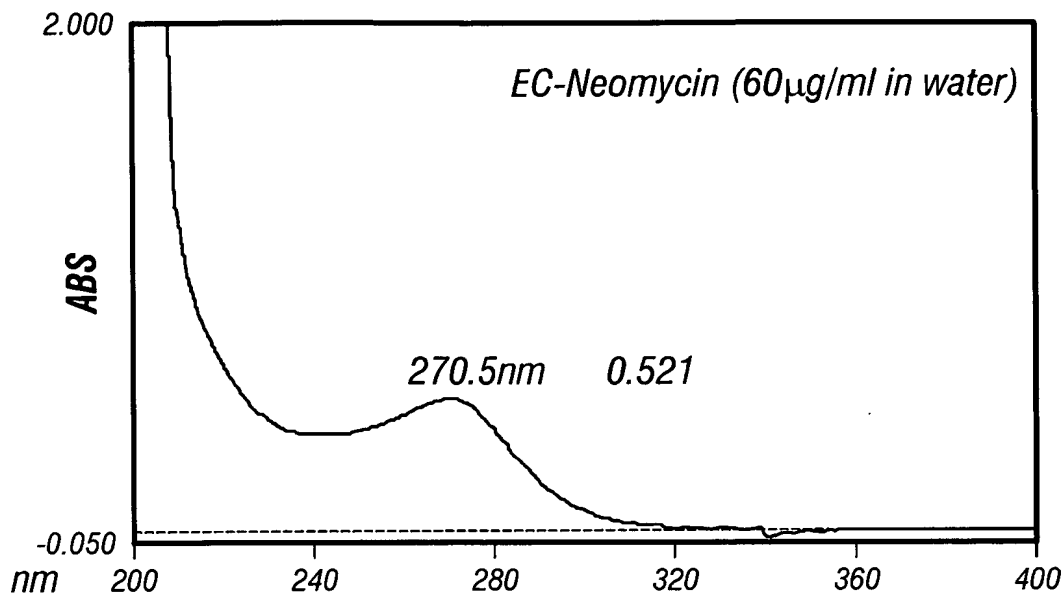
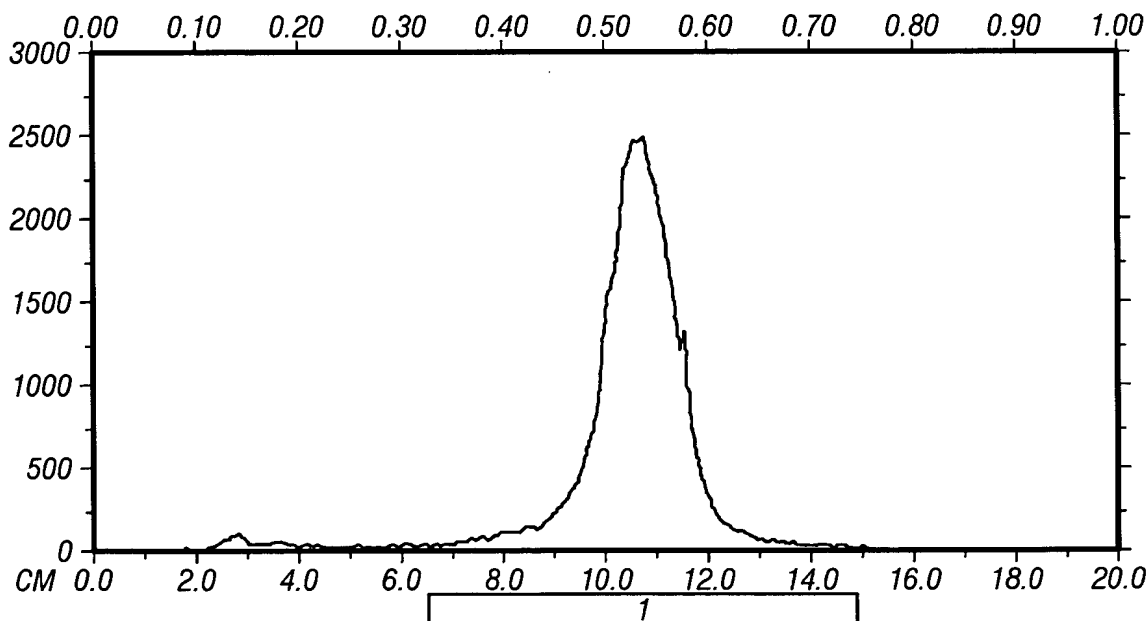


FIG. 40B

43/89**FIG. 40C****FIG. 41**

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^{99m}Tc -EC-NEO

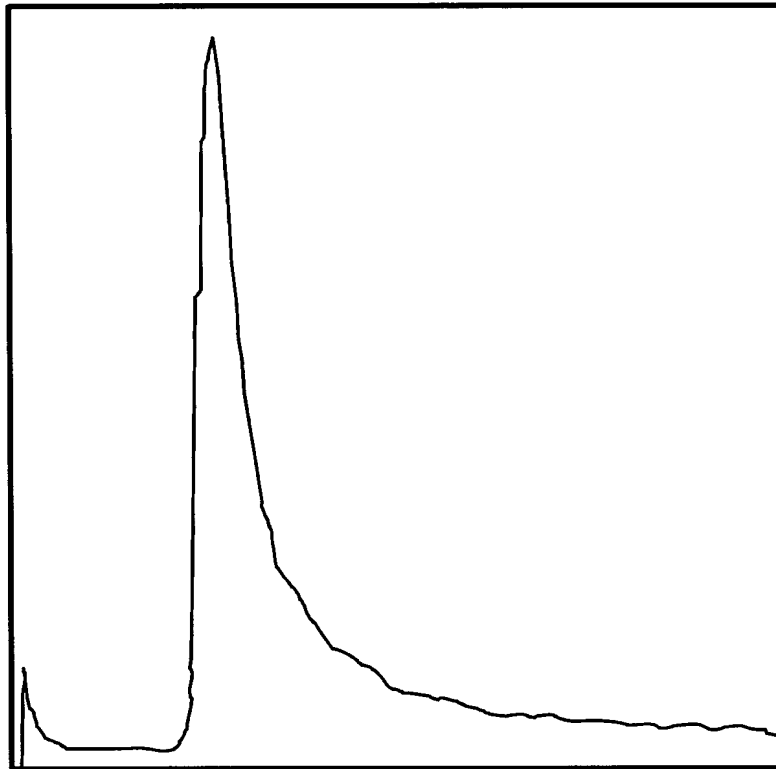


FIG. 42

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^{99m}Tc -EC-NEO

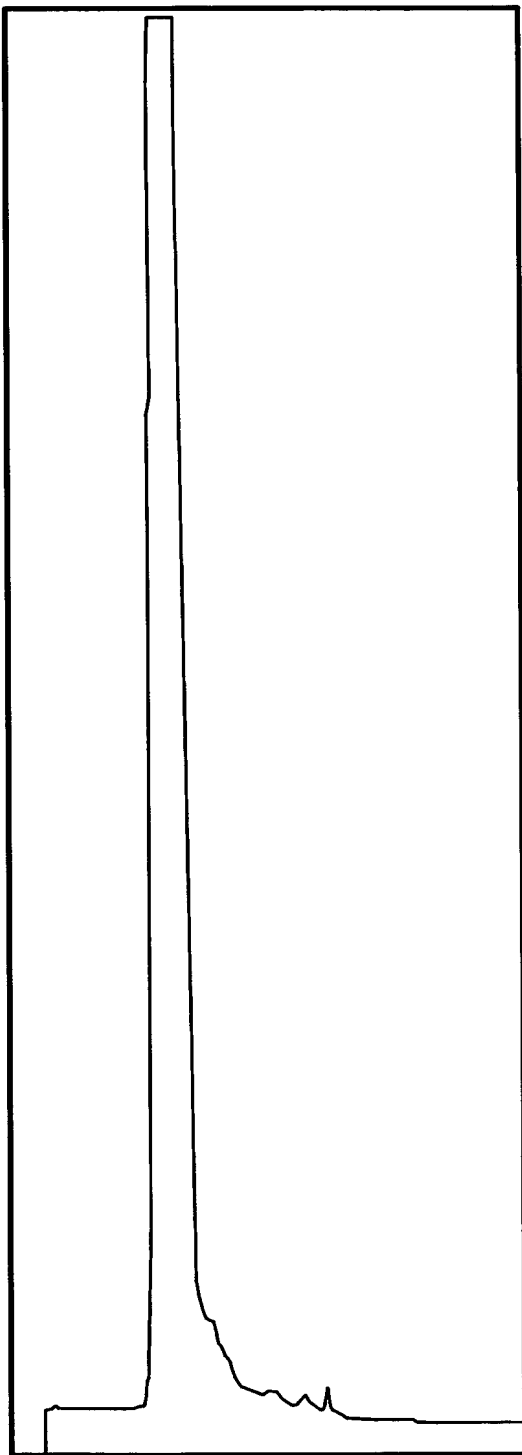


FIG. 43

^{18}F -FDG

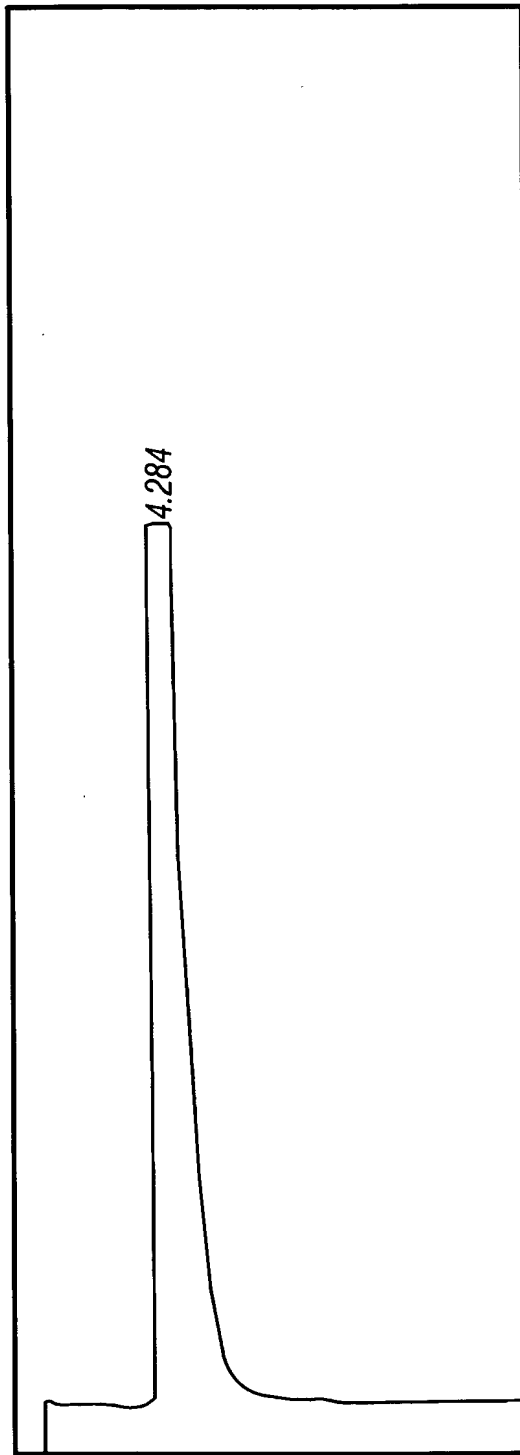


FIG. 44

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¹⁸F-FDG

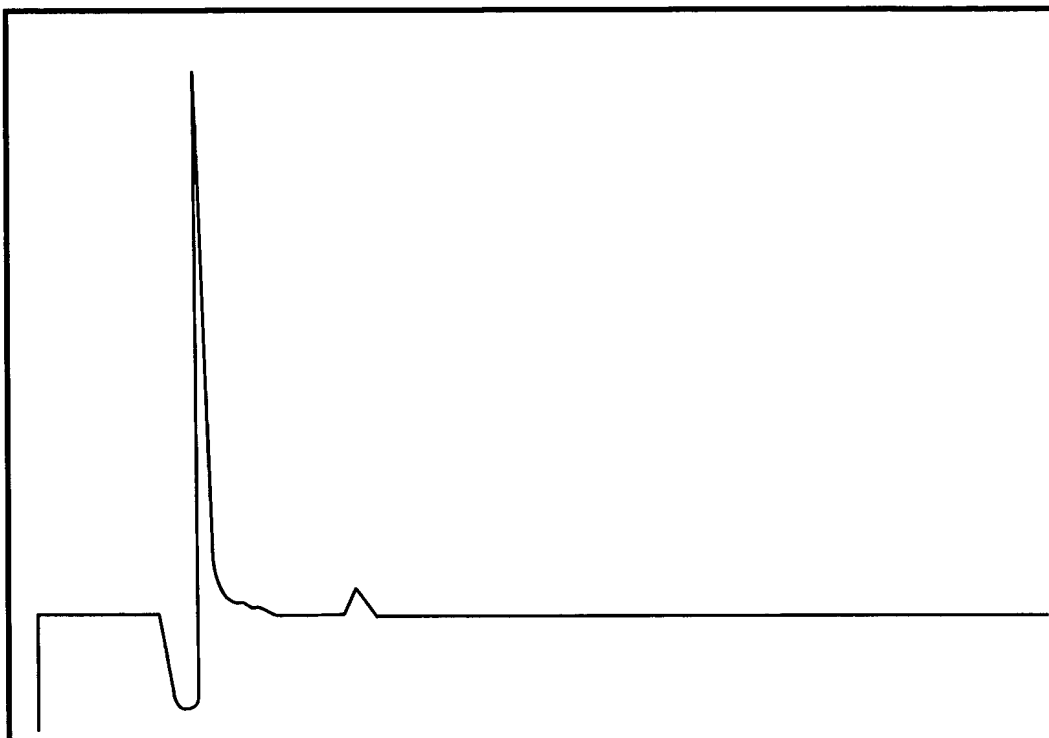


FIG. 45

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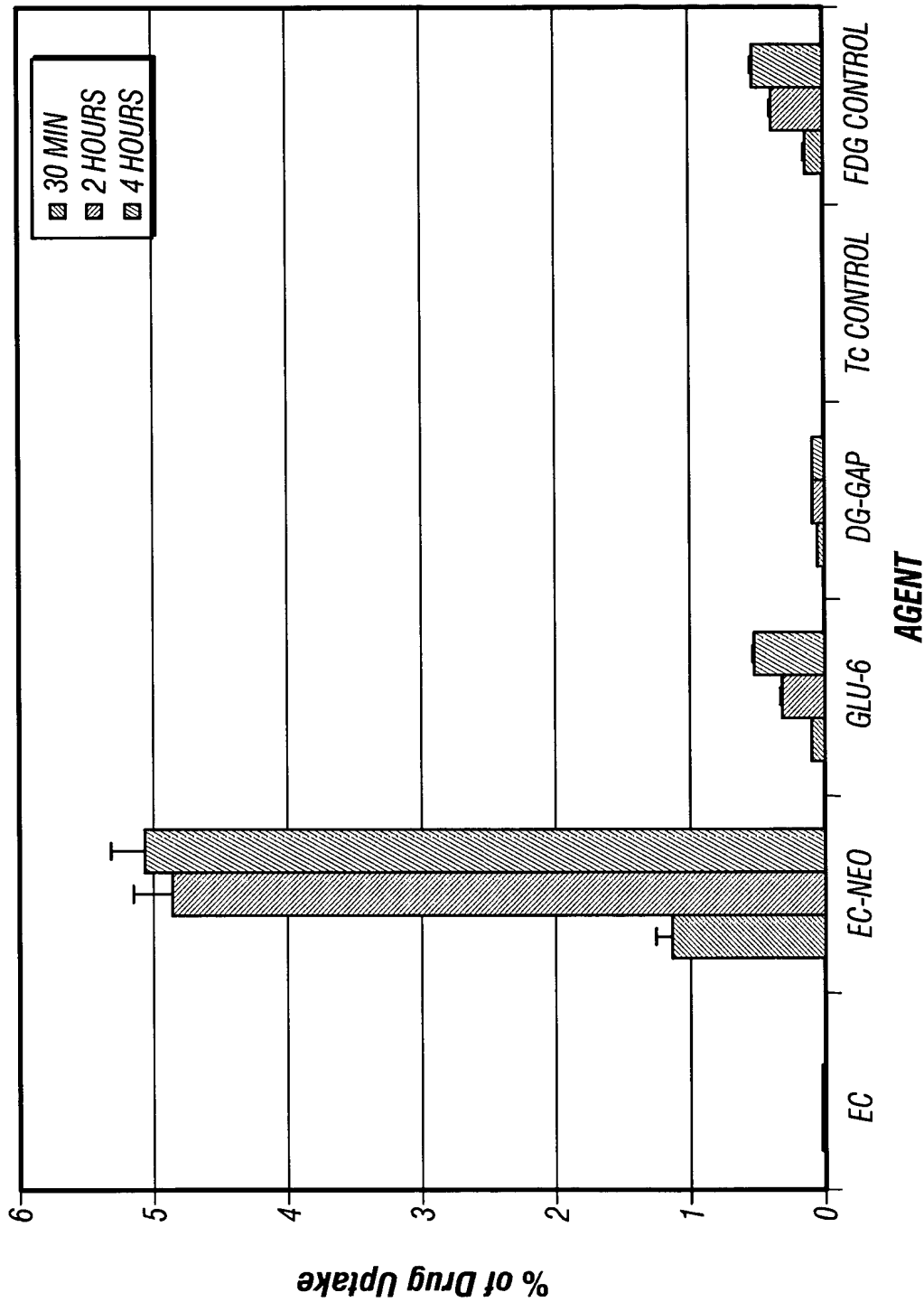


FIG. 46

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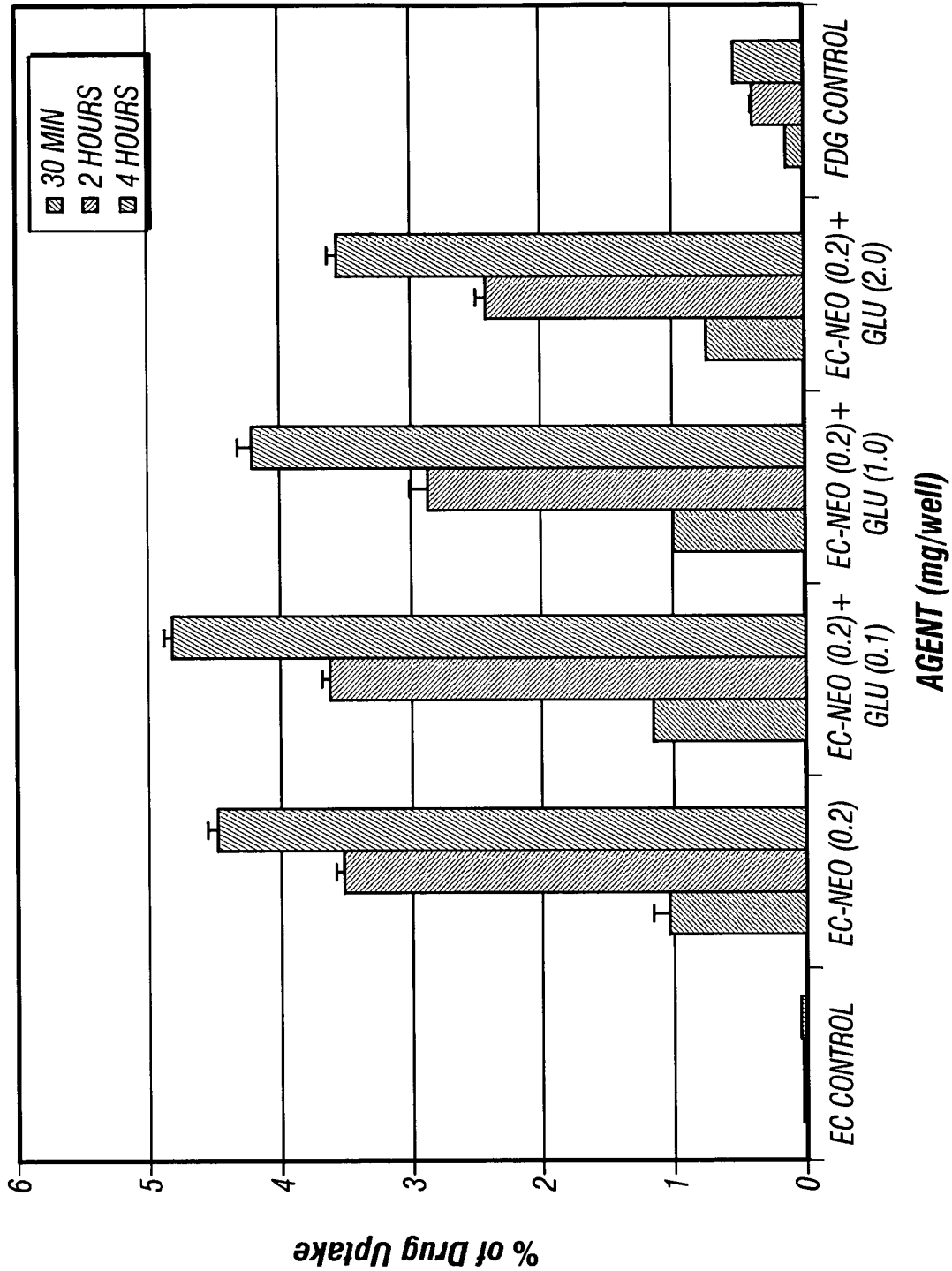
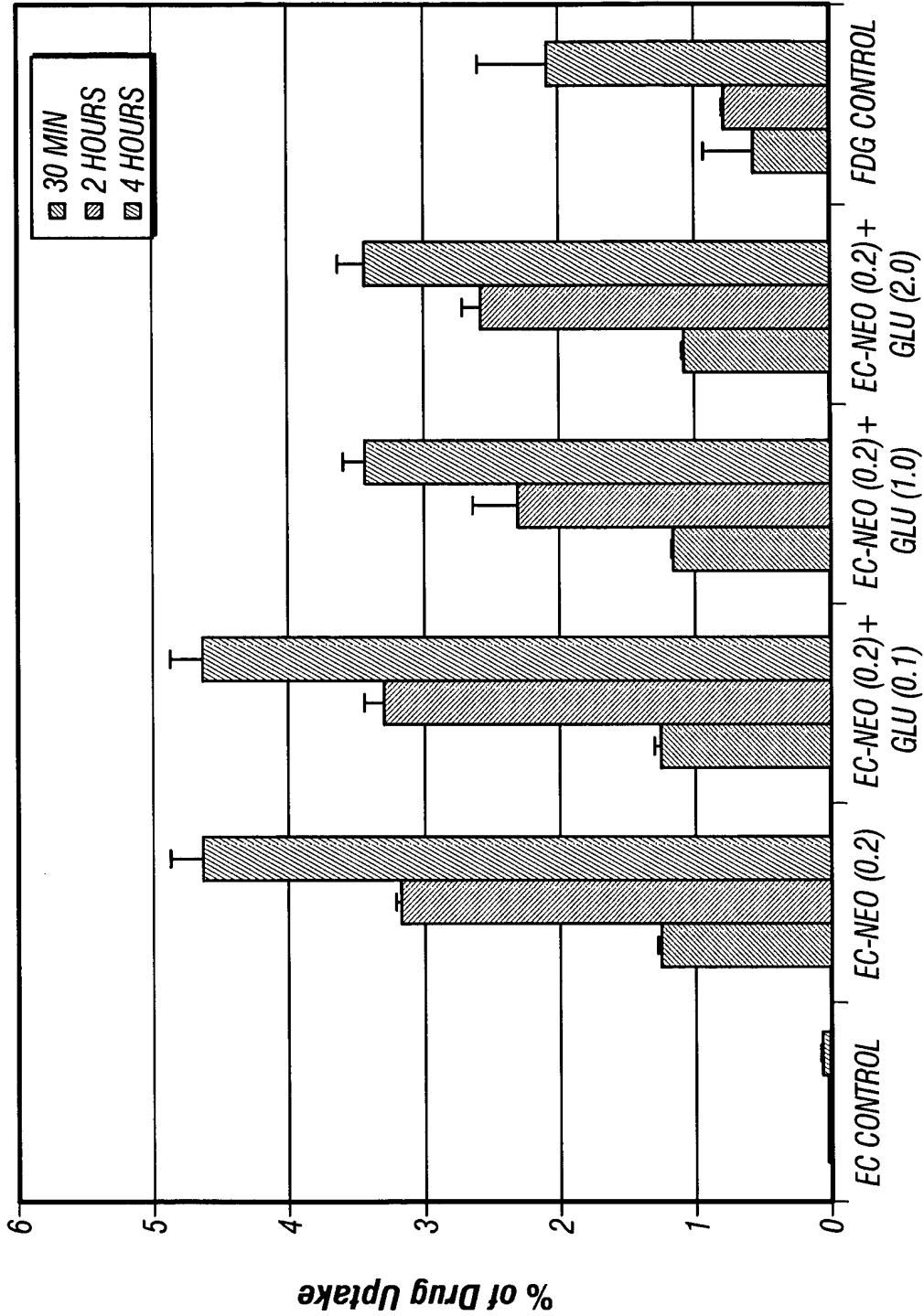


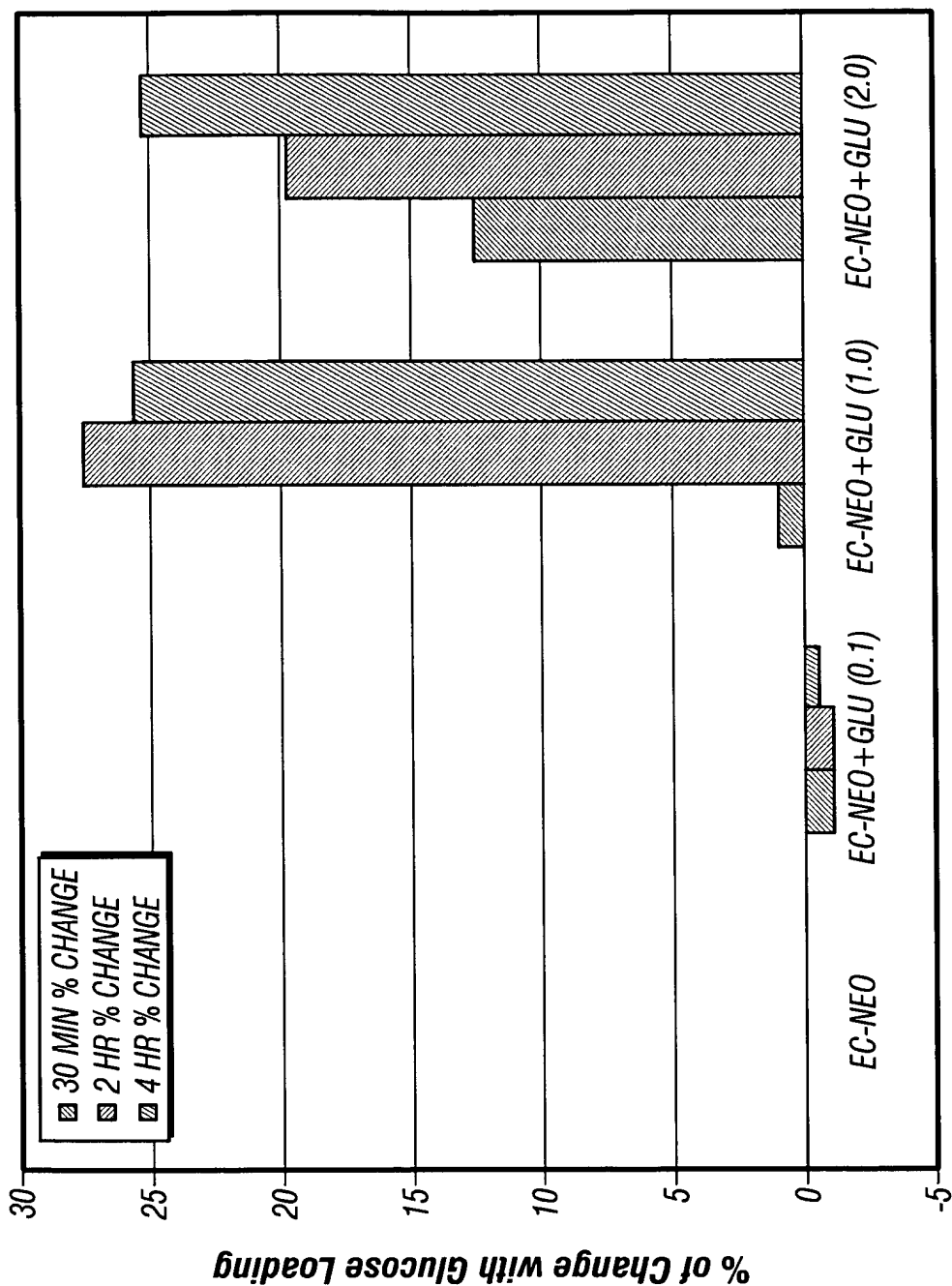
FIG. 47

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AGENT
 FIG. 48A

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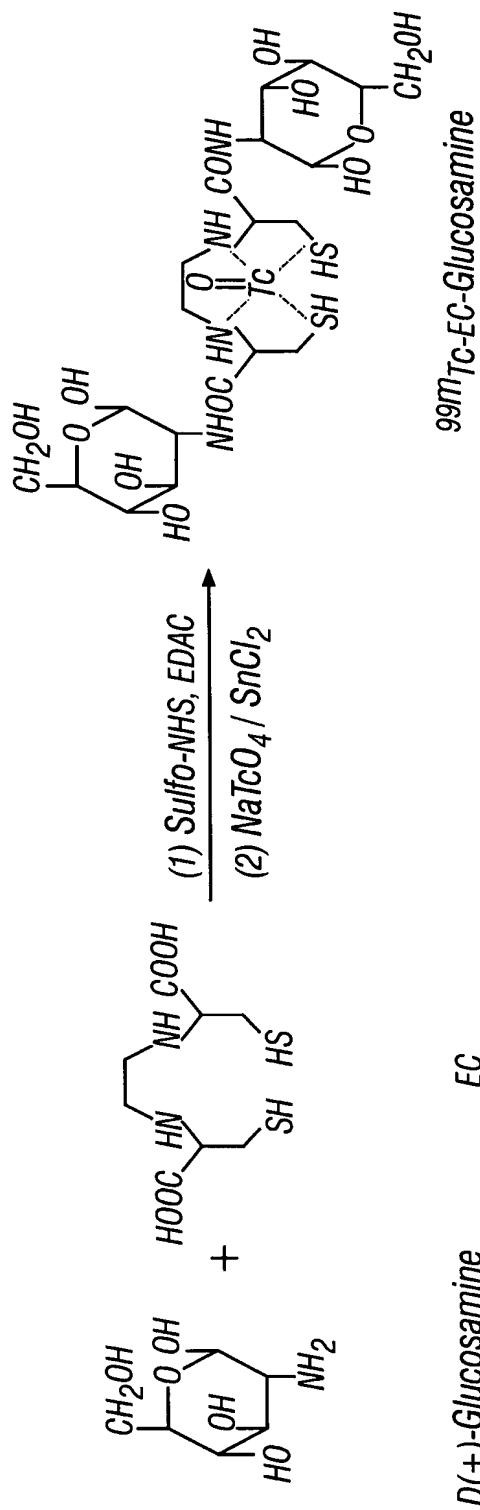


FIG. 49

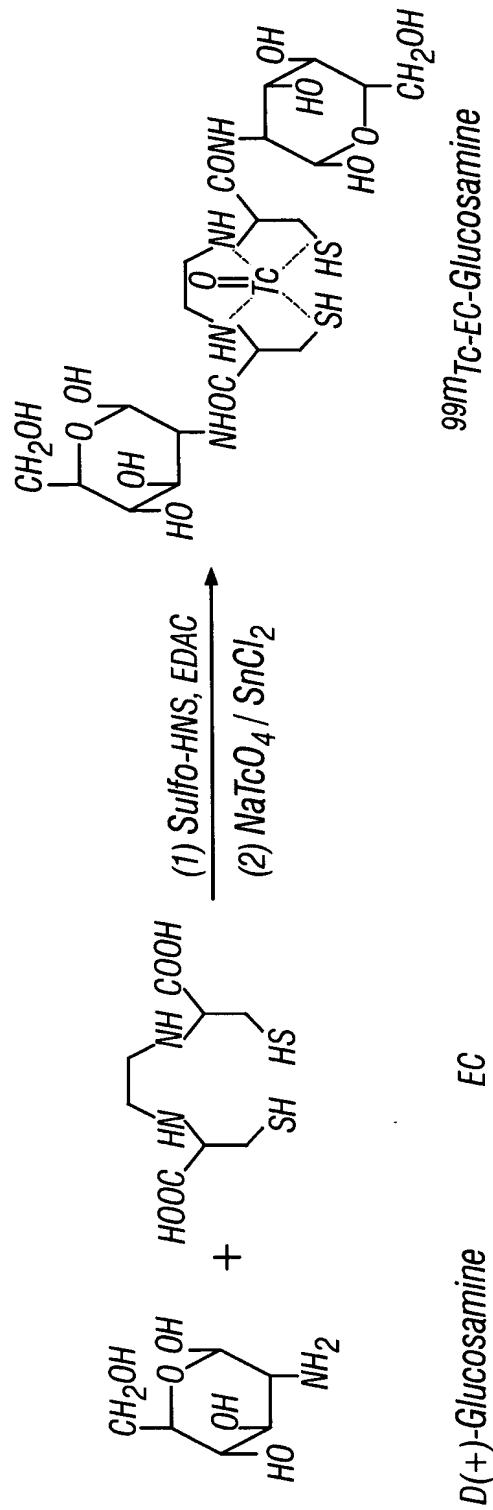
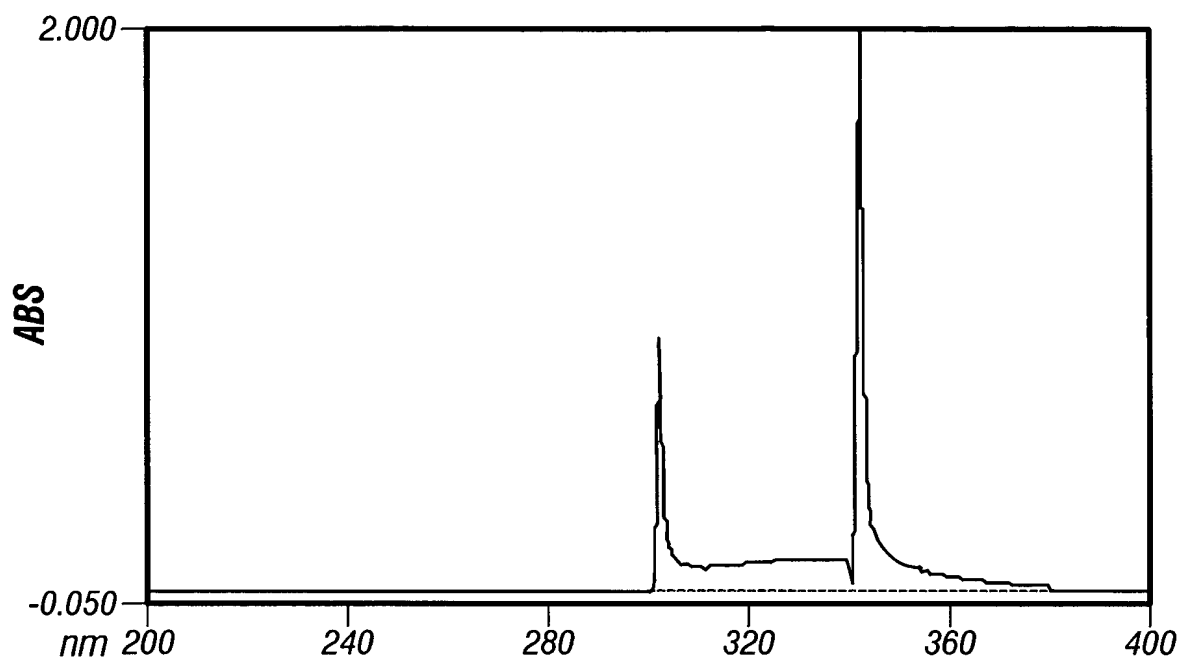
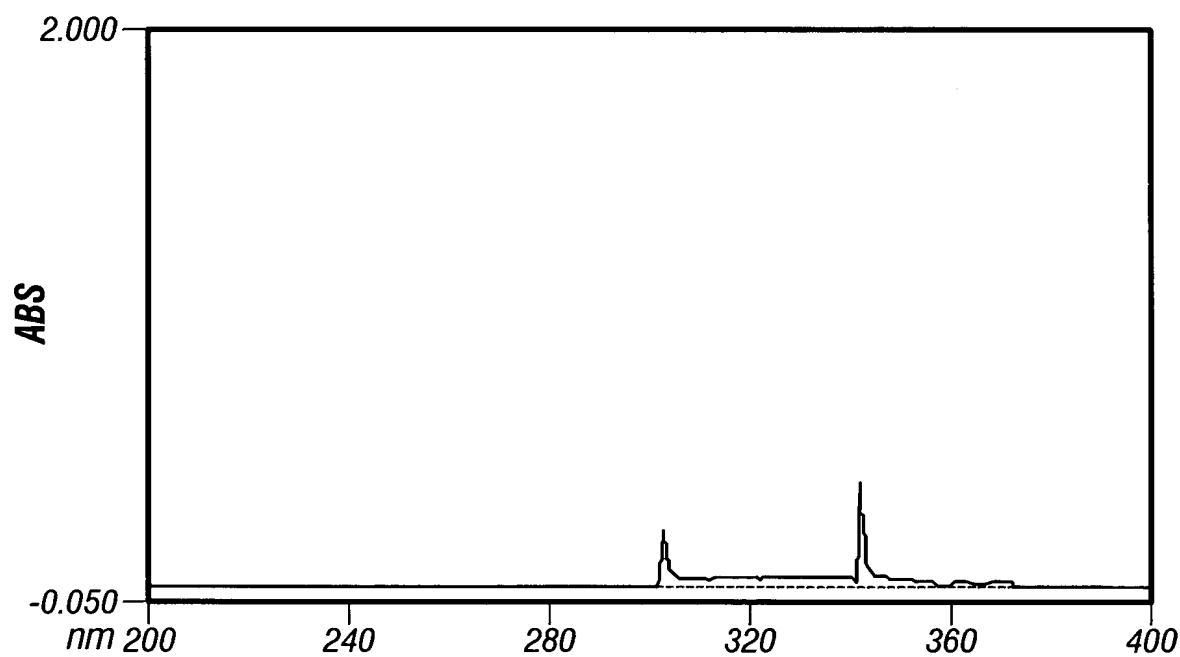


FIG. 59

52/89**FIG. 50****FIG. 51**

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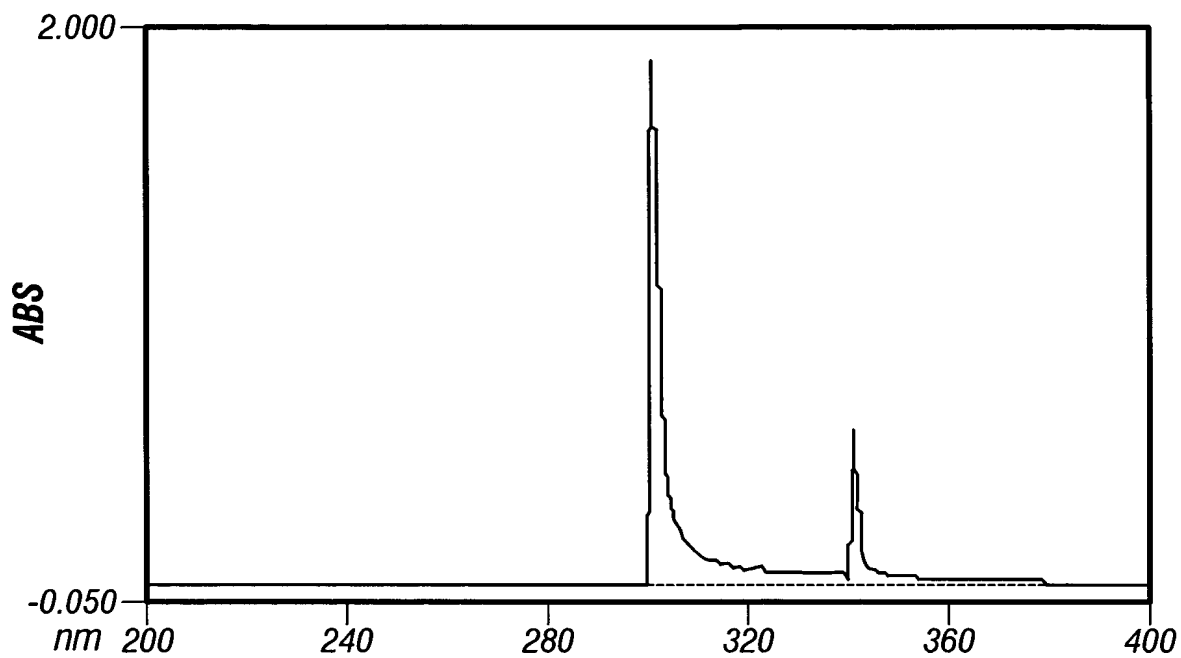


FIG. 52

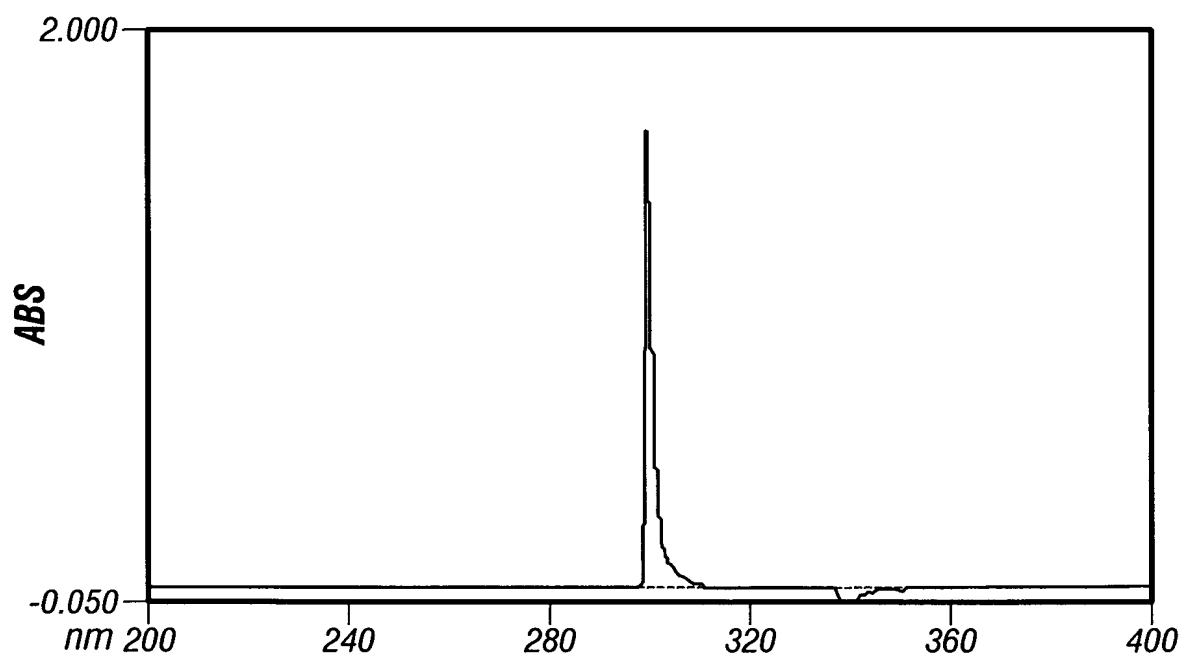
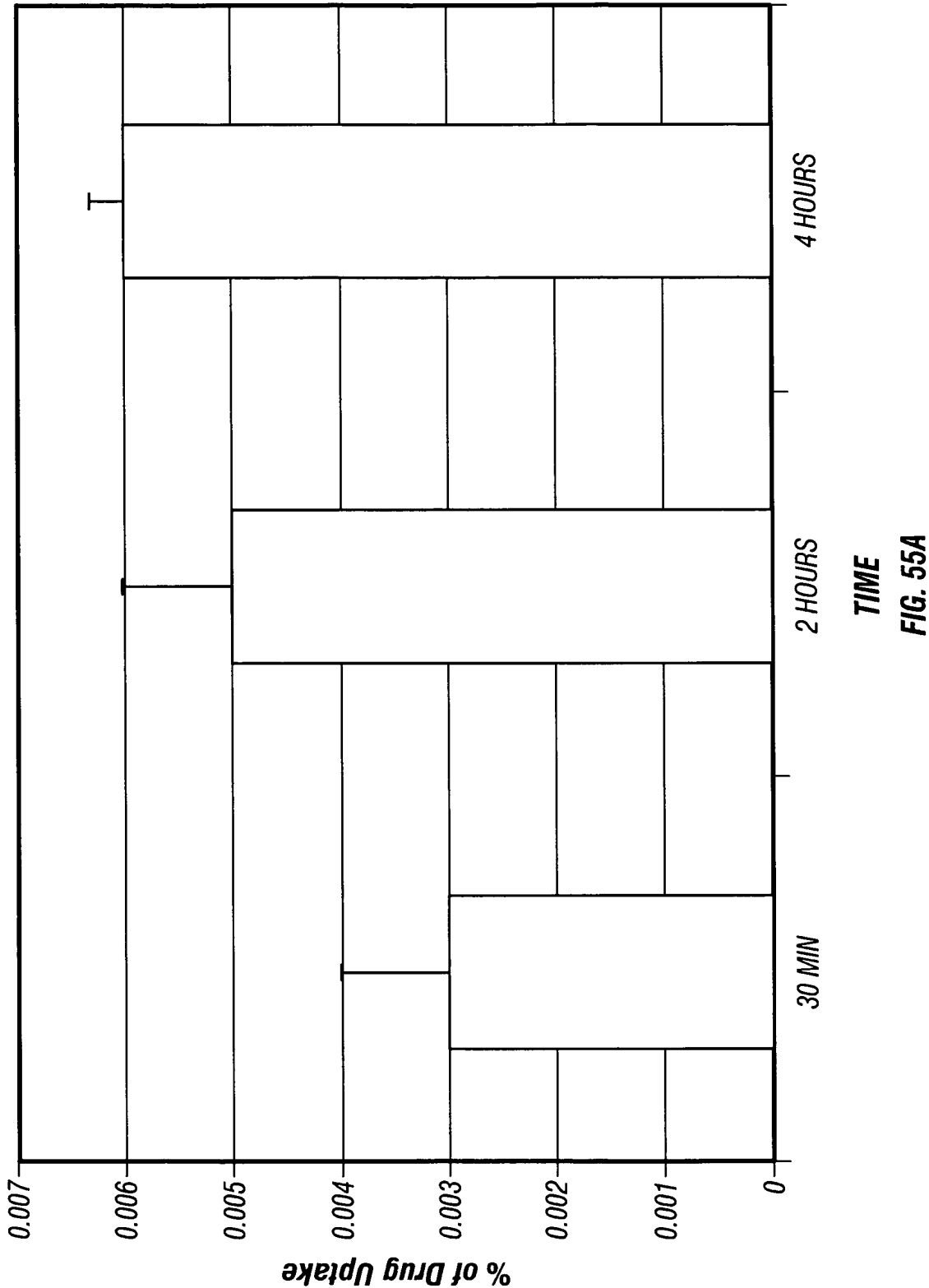
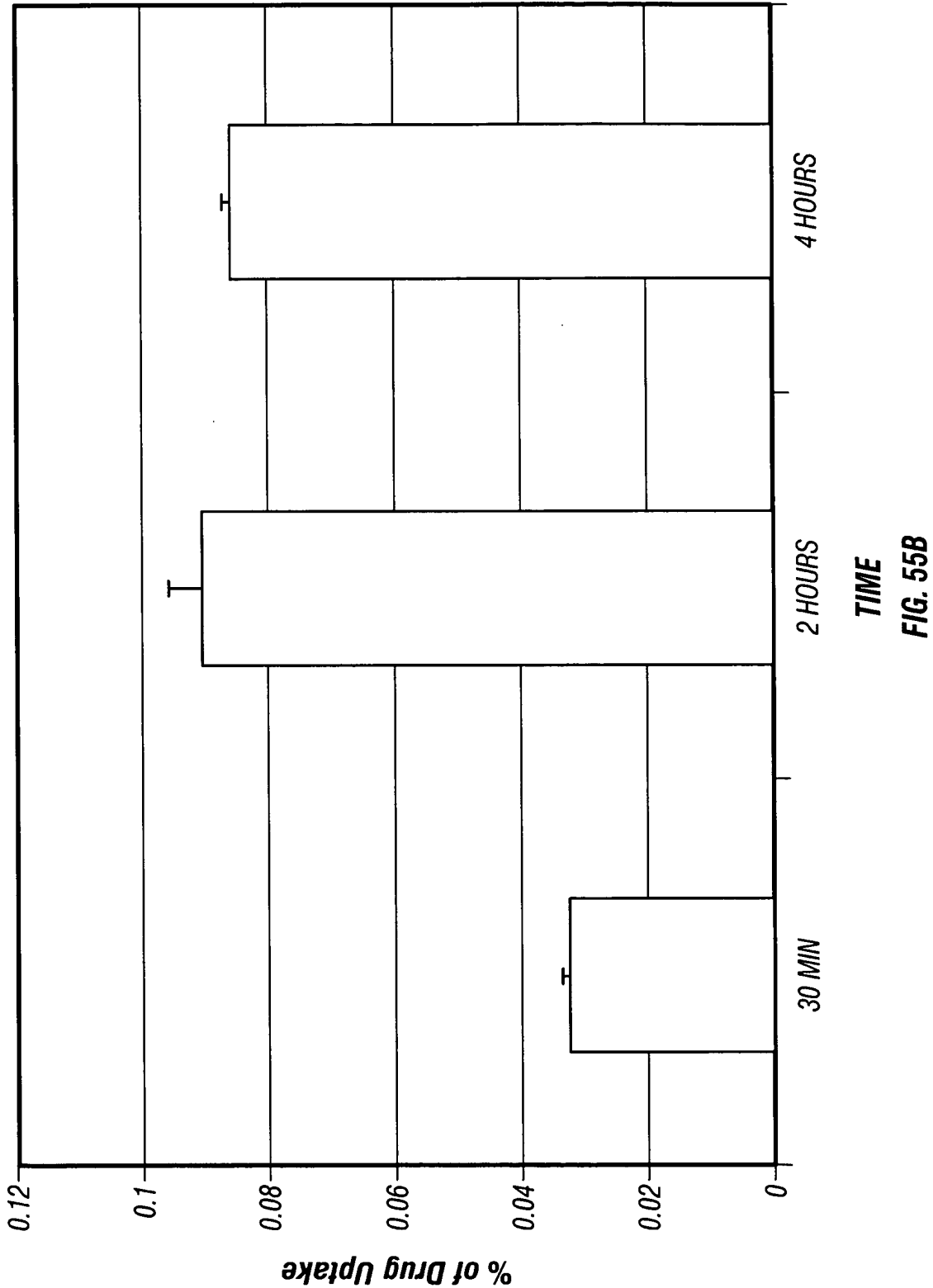


FIG. 53

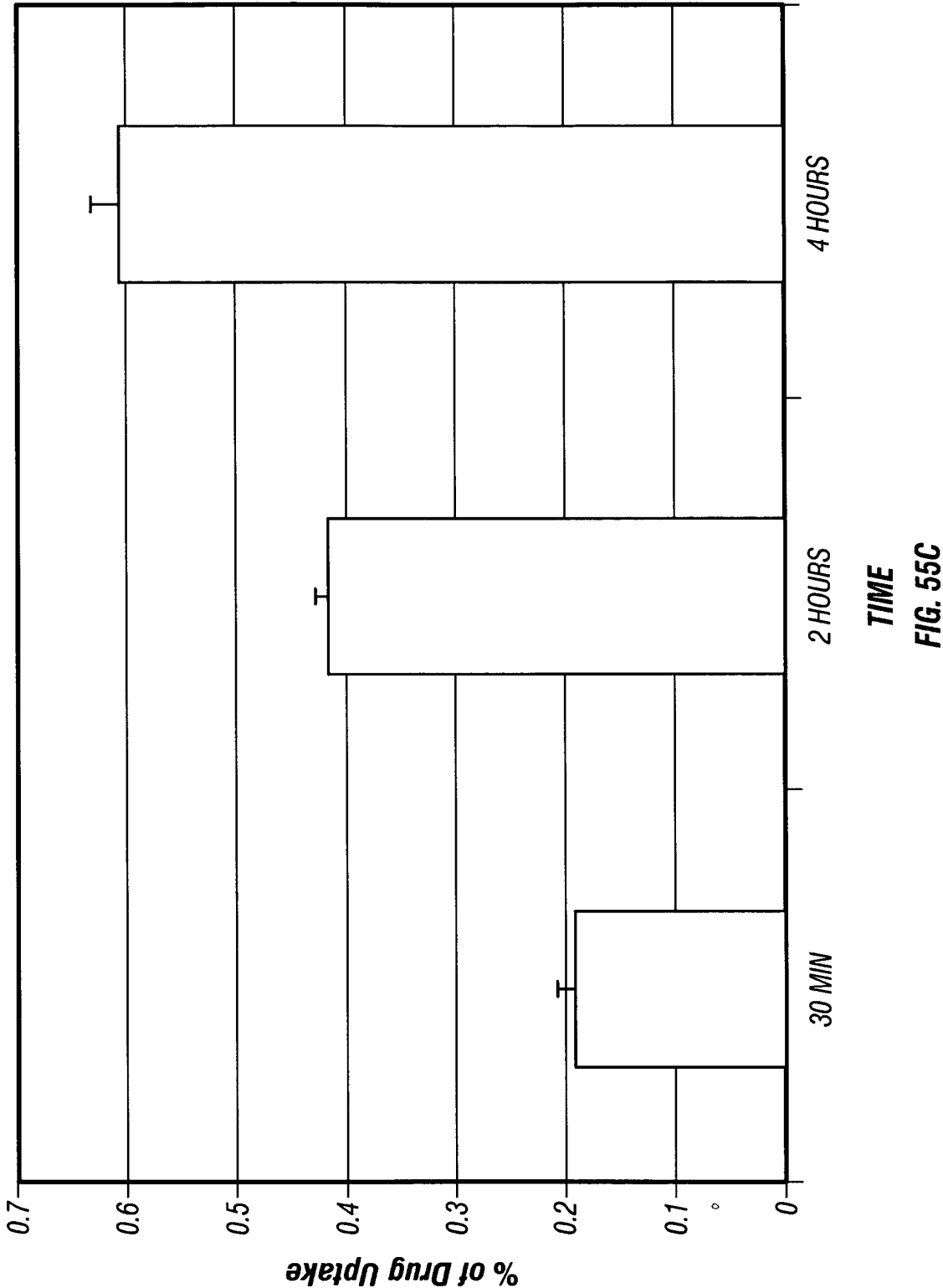
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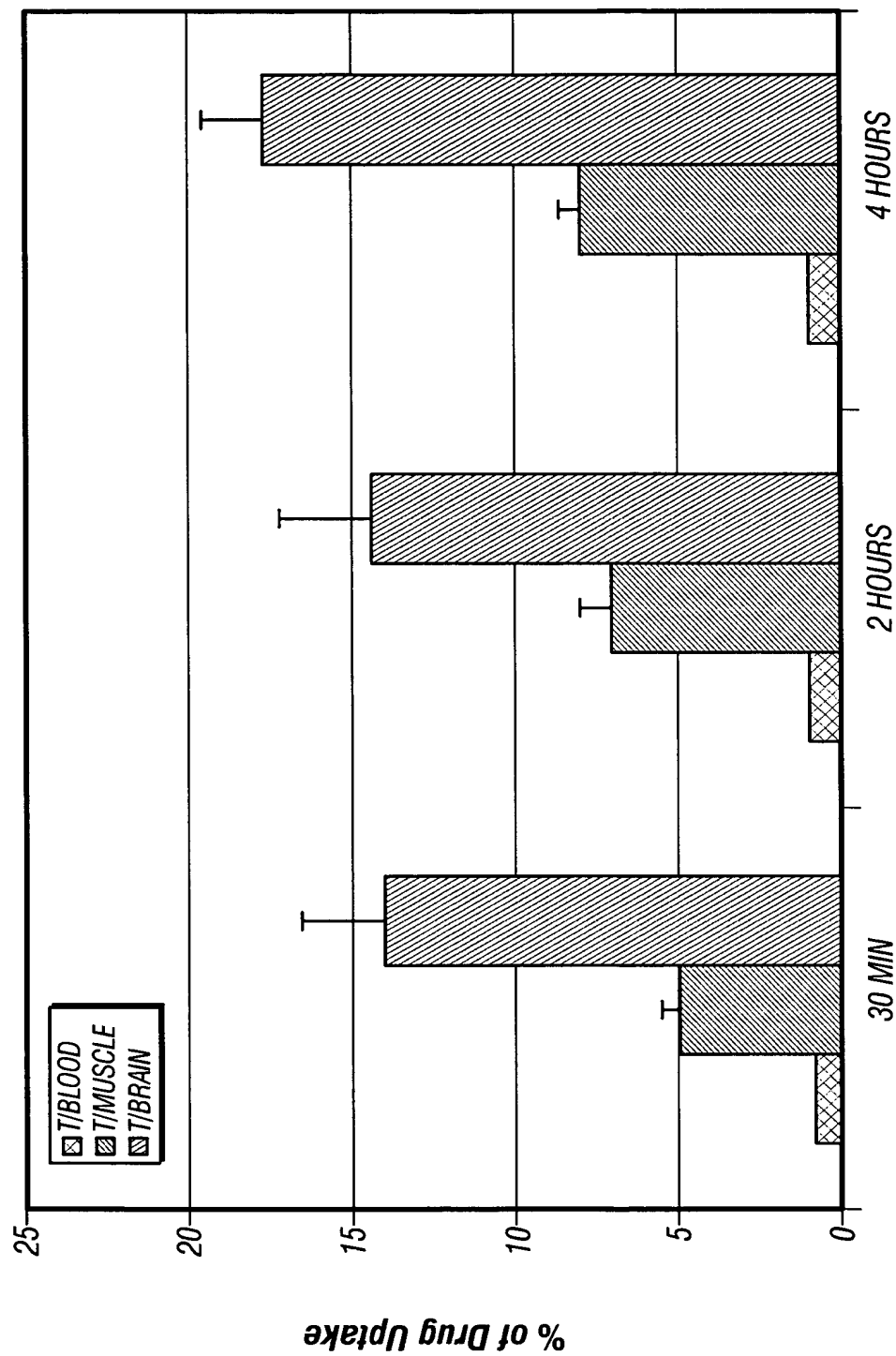
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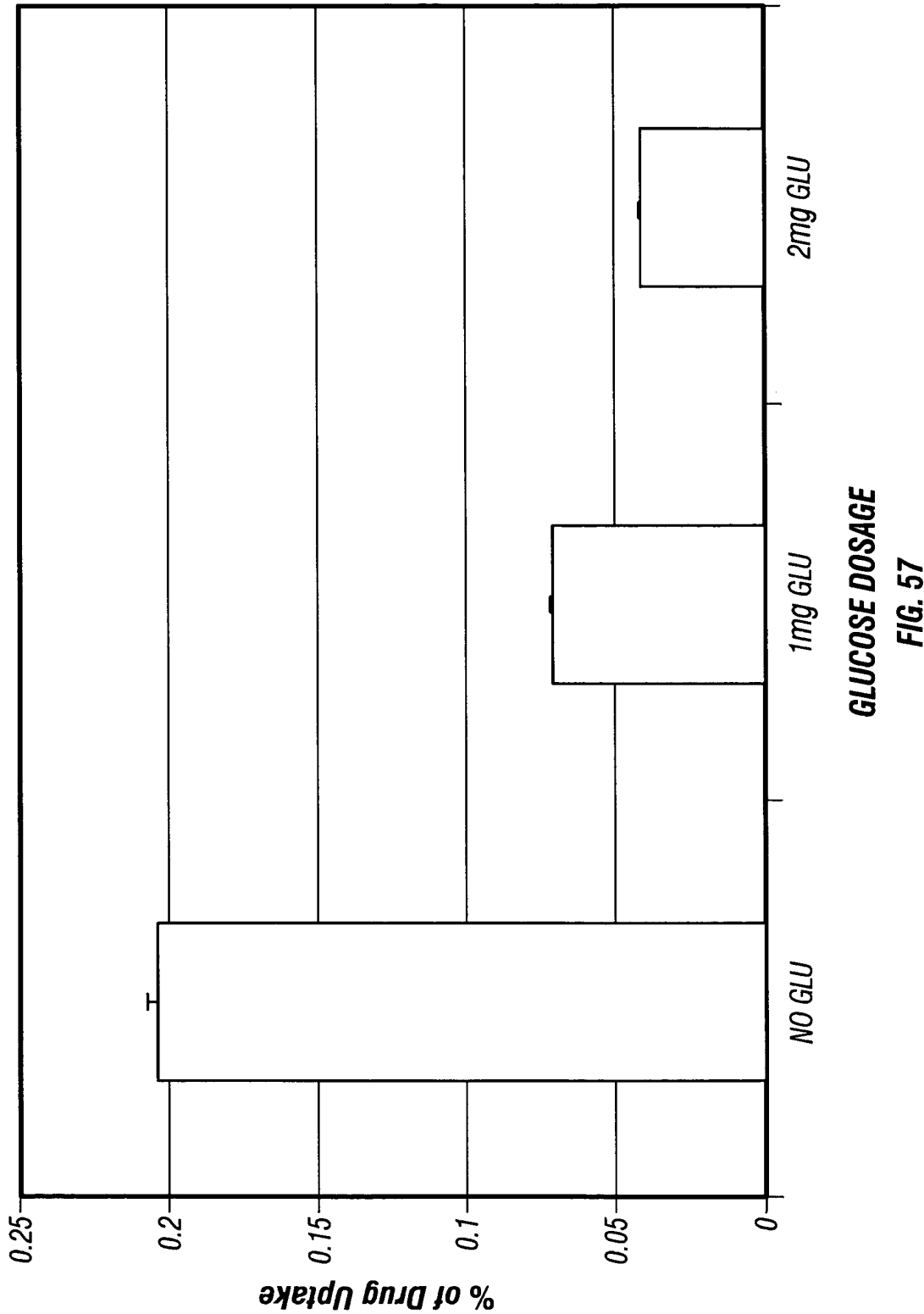


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TIME
FIG. 56

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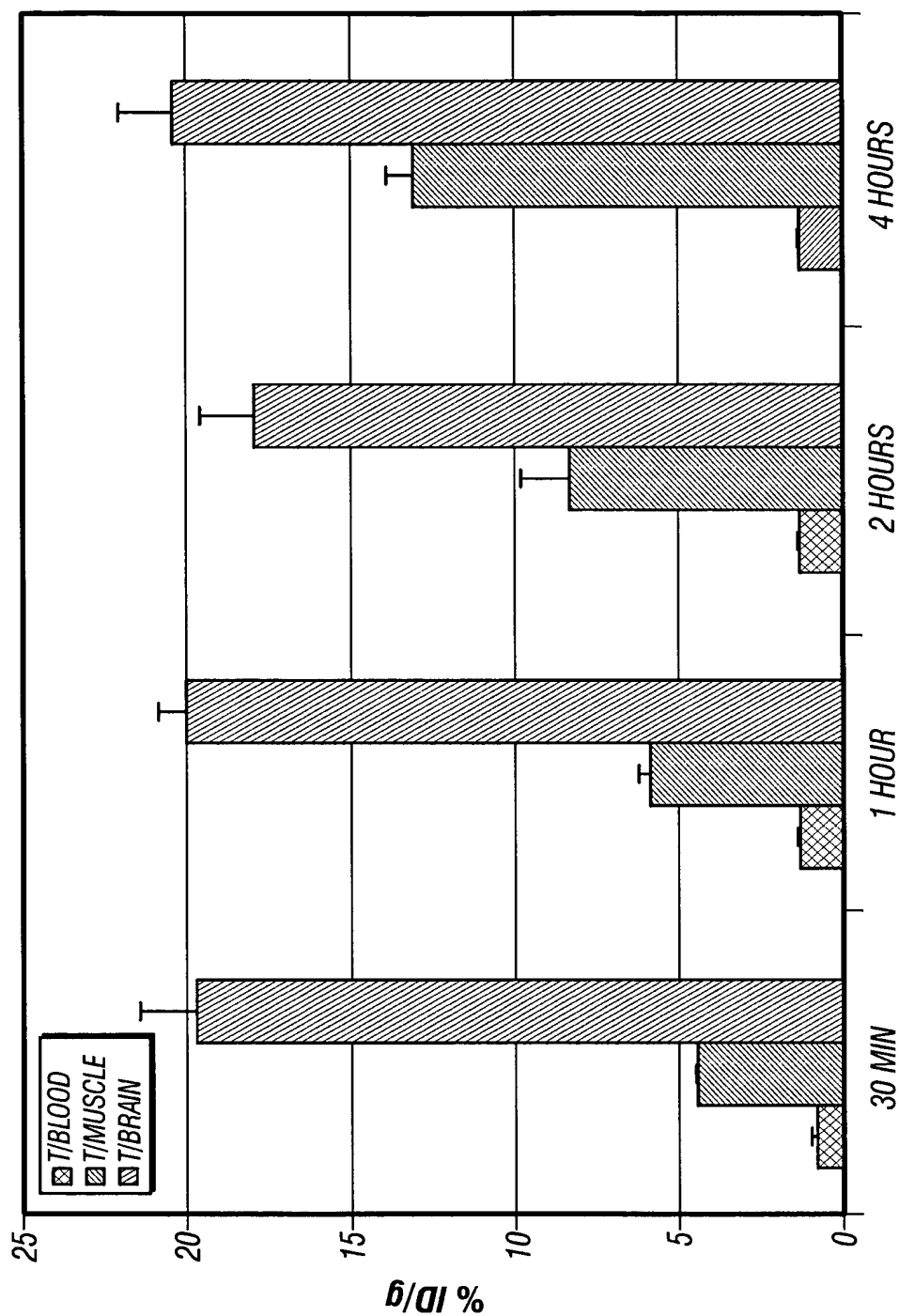
Inventor: David J. Yang et al.

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Title: Ethylenedicysteine (EC)-Drug Conjugates, Compositions
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TIME
FIG. 58

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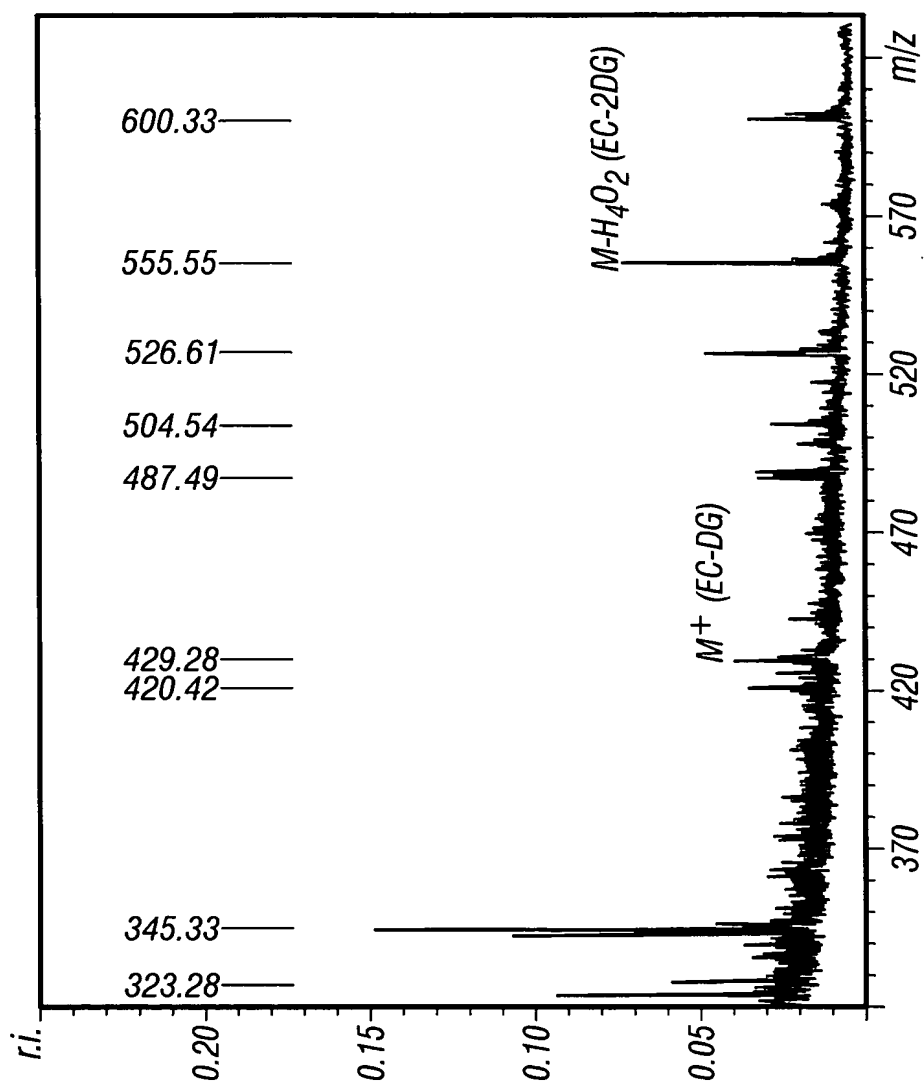


FIG. 60

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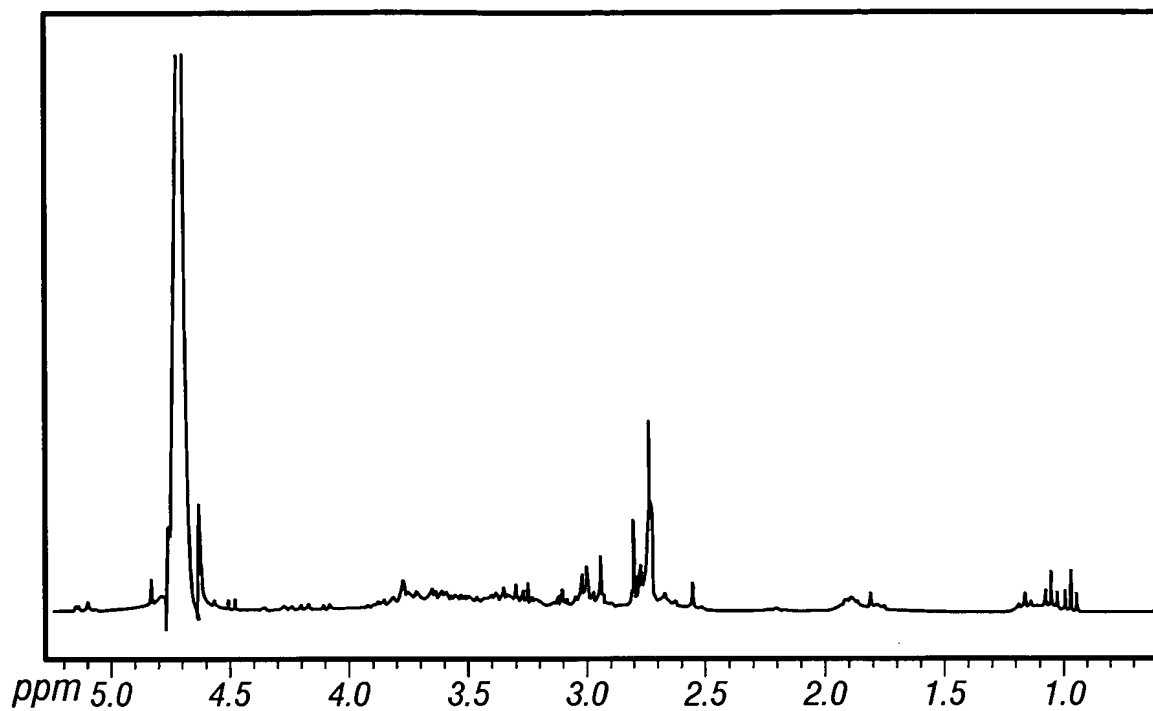


FIG. 61

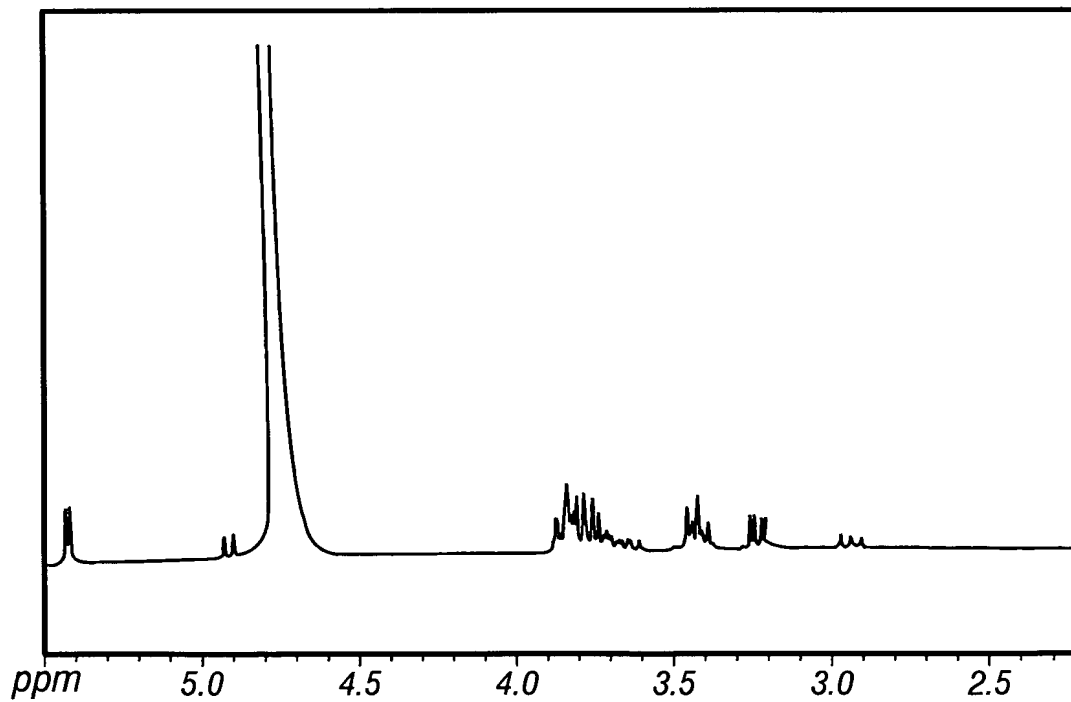


FIG. 62

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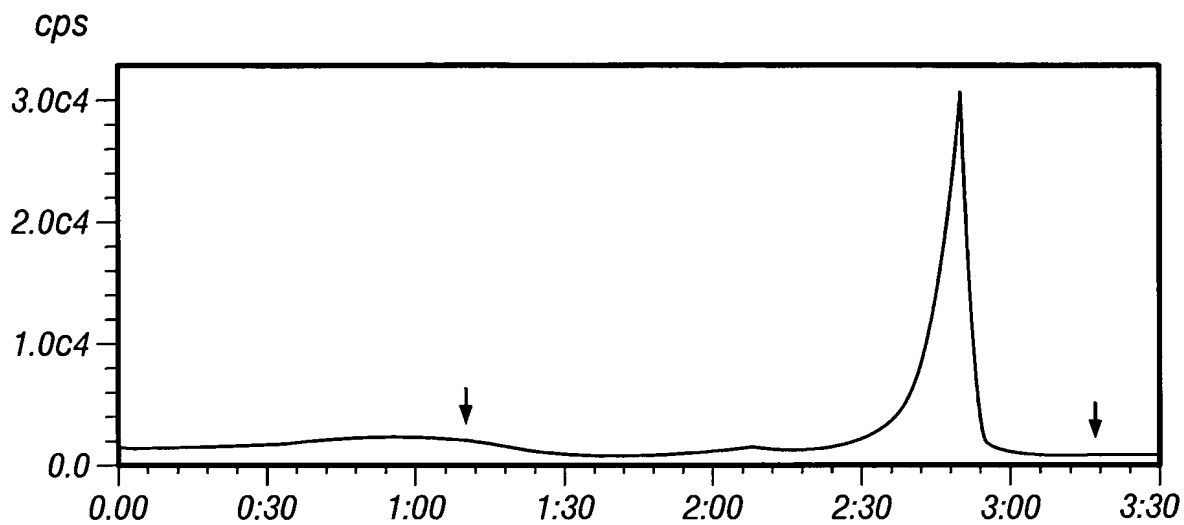


FIG. 63

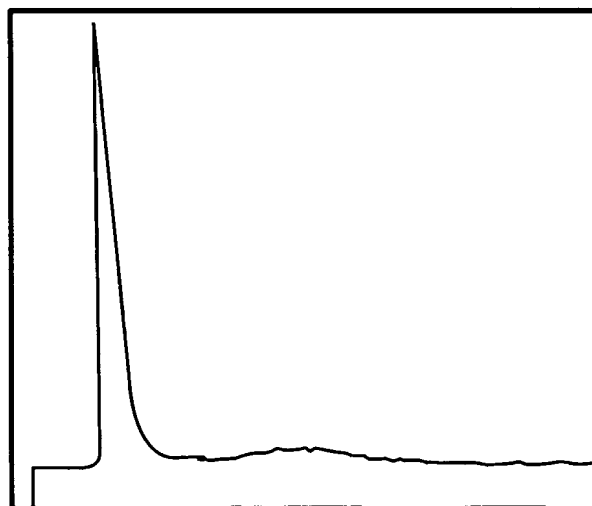


FIG. 64A

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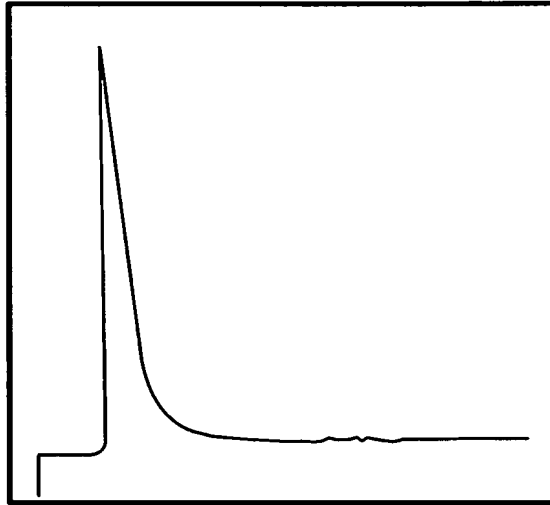


FIG. 64B

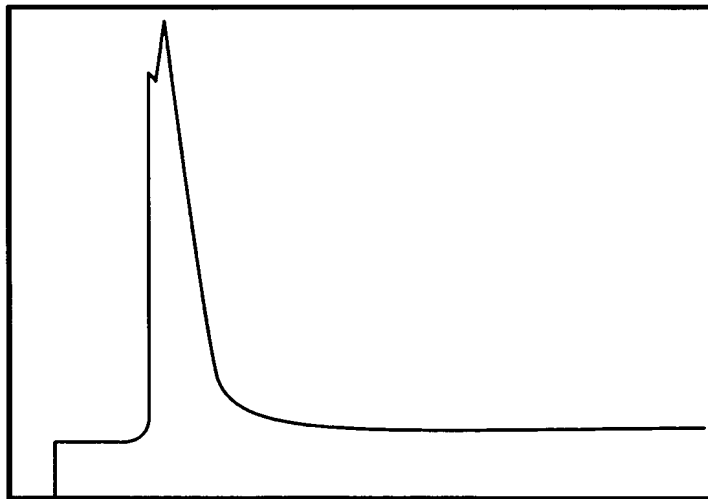


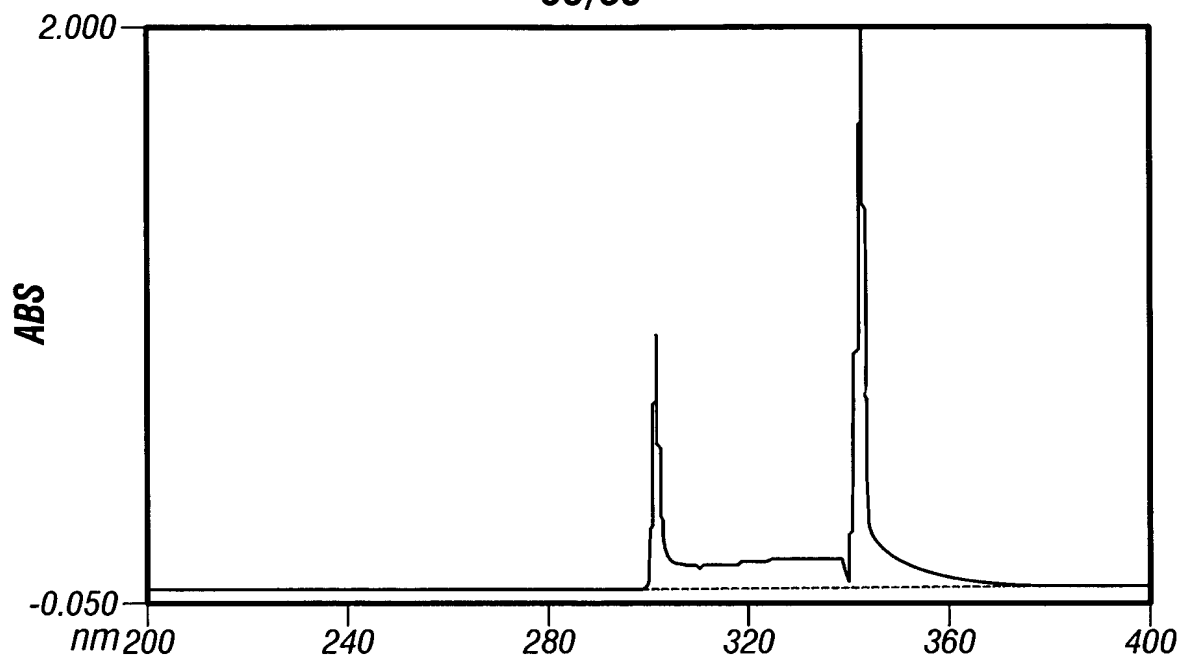
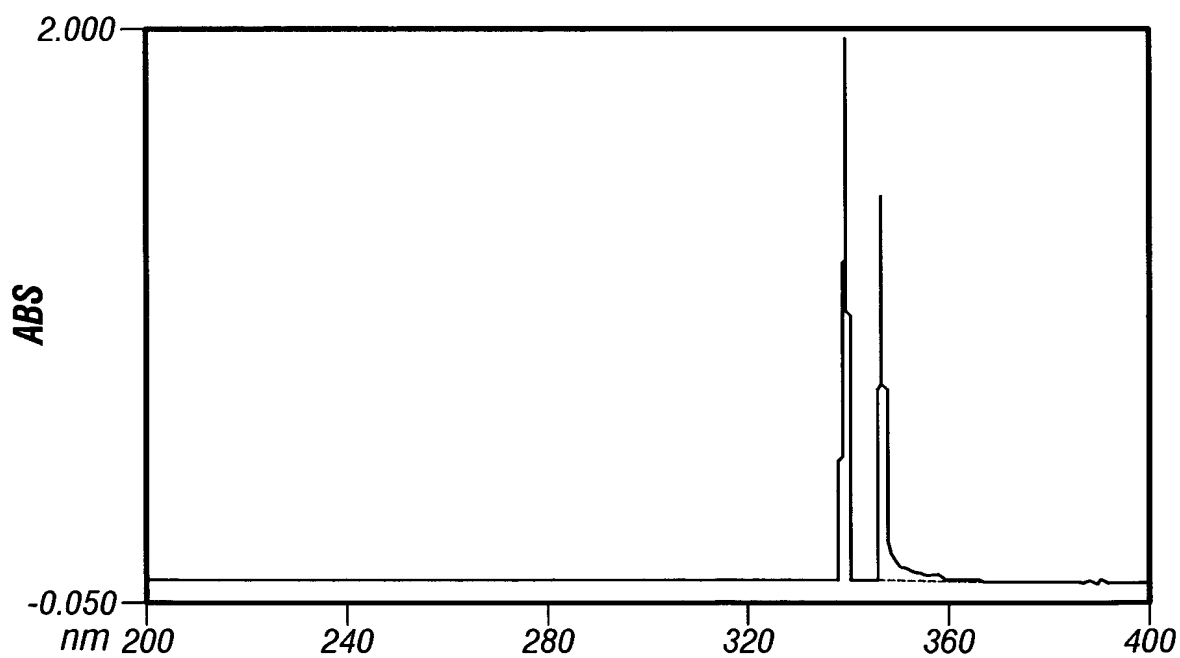
FIG. 65

Inventor: David J. Yang et al.

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Title: Ethylenedicysteine (EC)-Drug Conjugates, Compositions
and Methods for Tissue Specific Disease Imaging

Filed: June 21, 2000

65/89**FIG. 66****FIG. 67**

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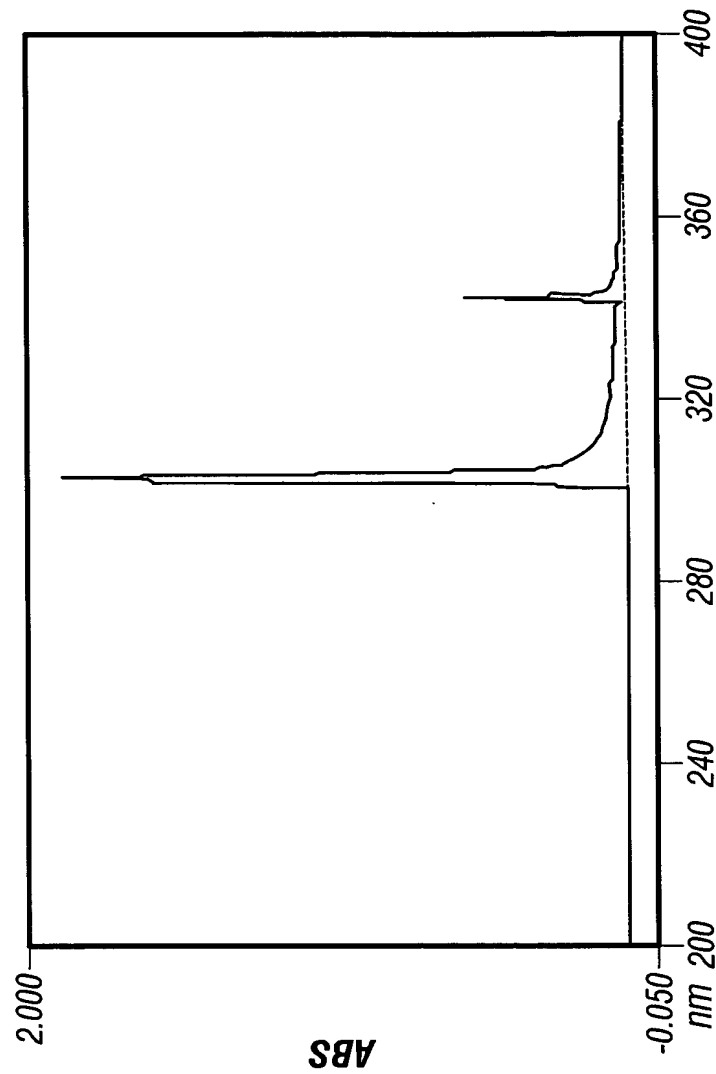
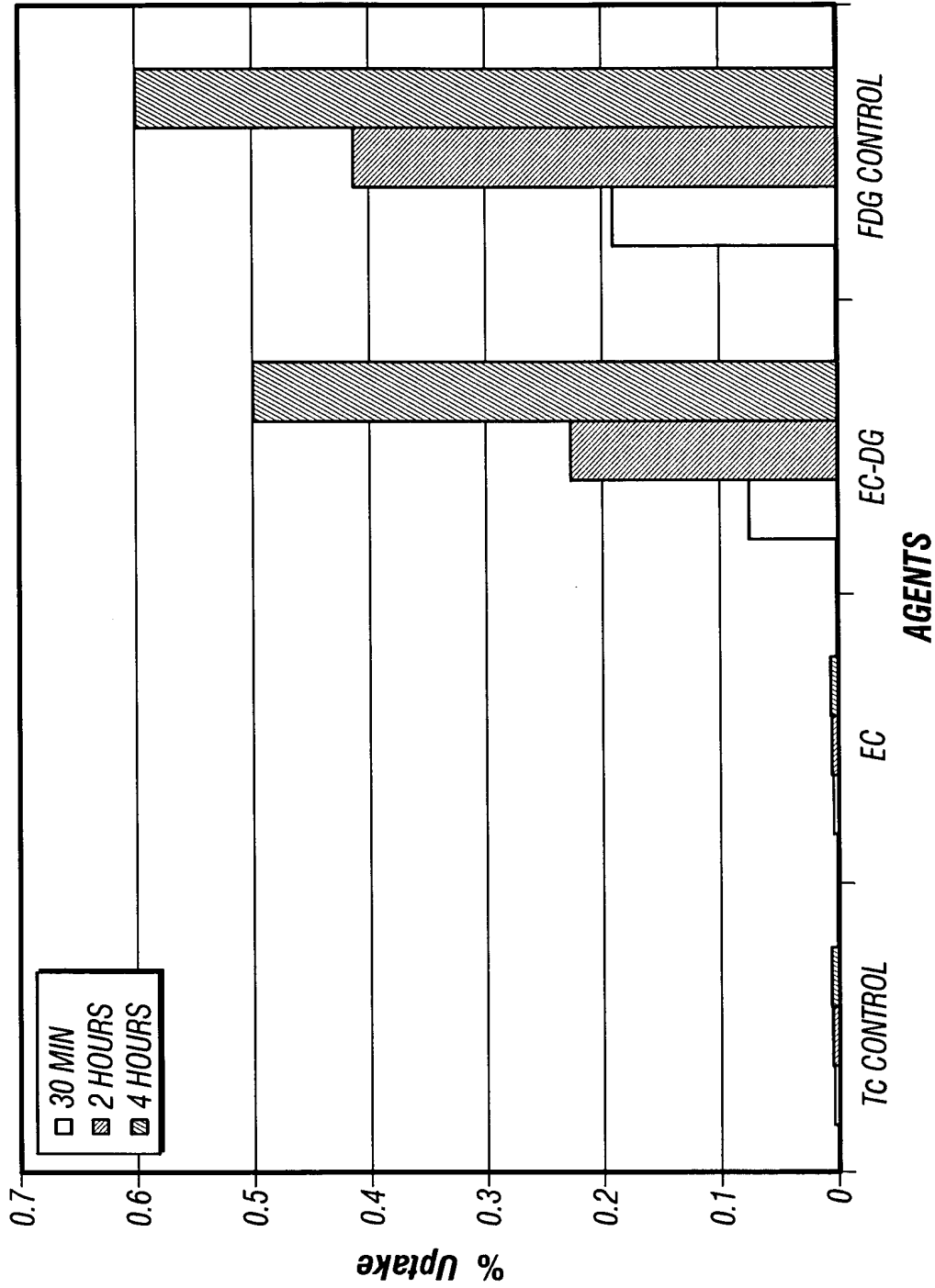
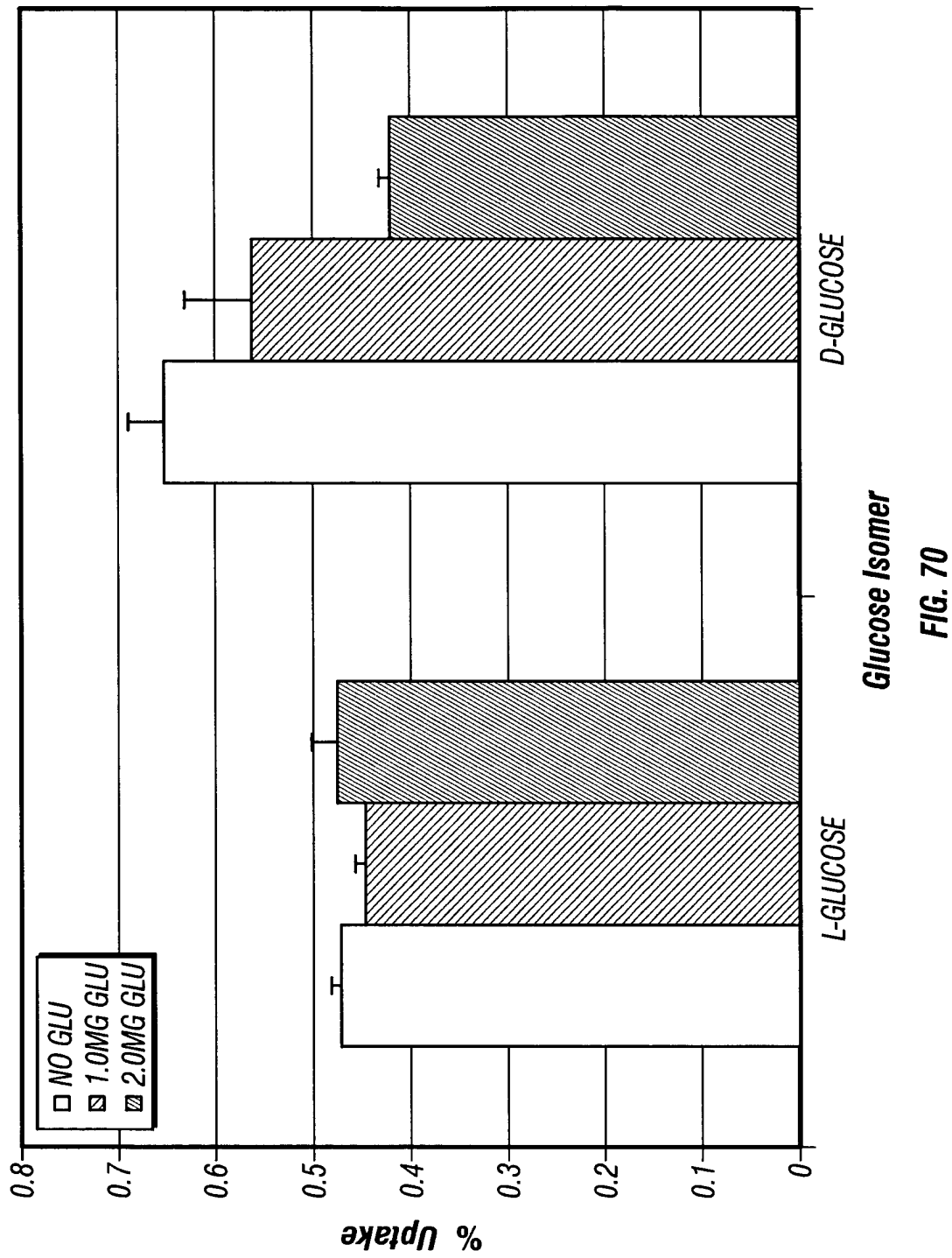


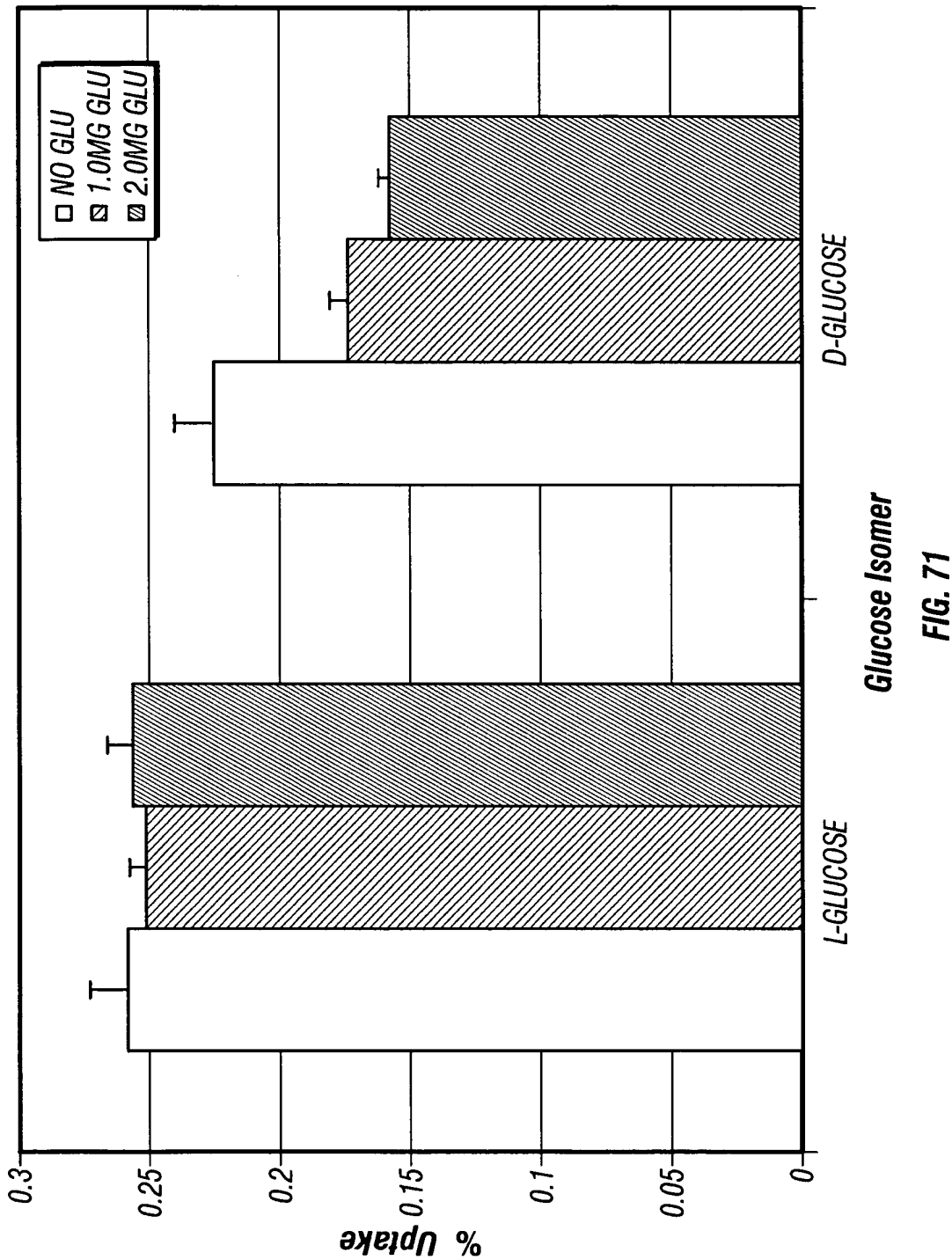
FIG. 68

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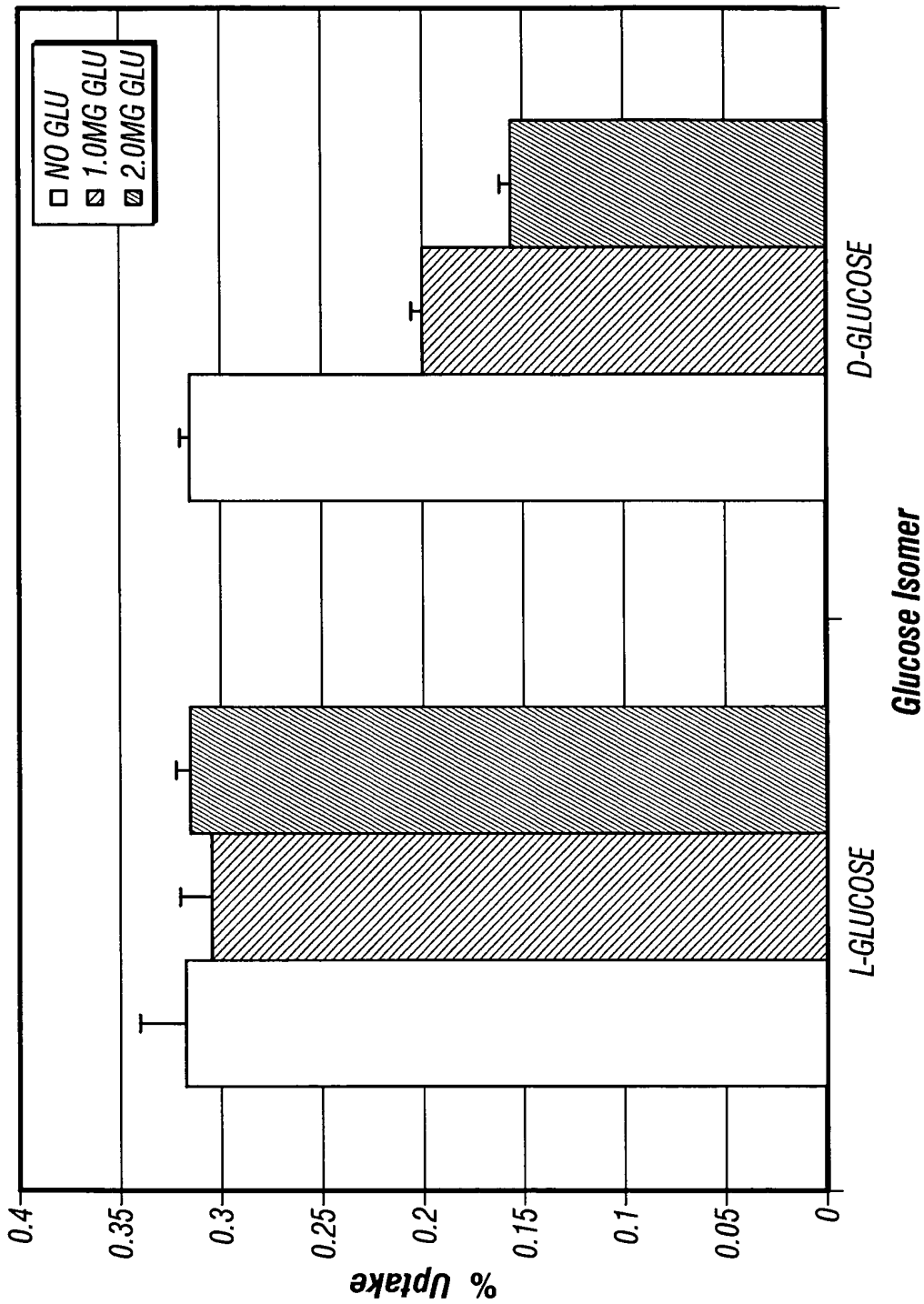


FIG. 72

Inventor: David J. Yang et al.

Serial No. 09/599,152

Title: Ethylenedicysteine (EC)-Drug Conjugates, Compositions
and Methods for Tissue Specific Disease Imaging

Filed: June 21, 2000

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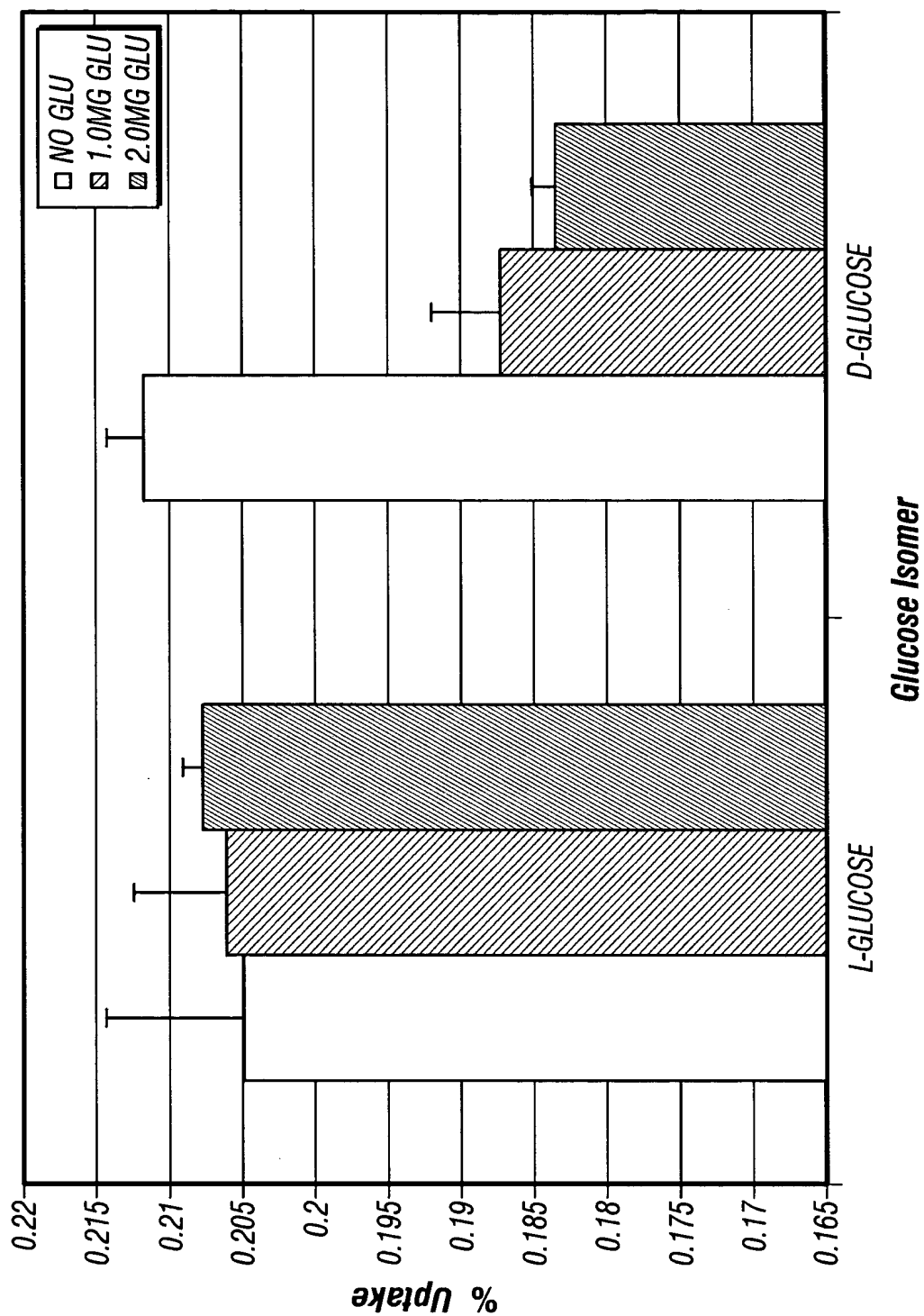
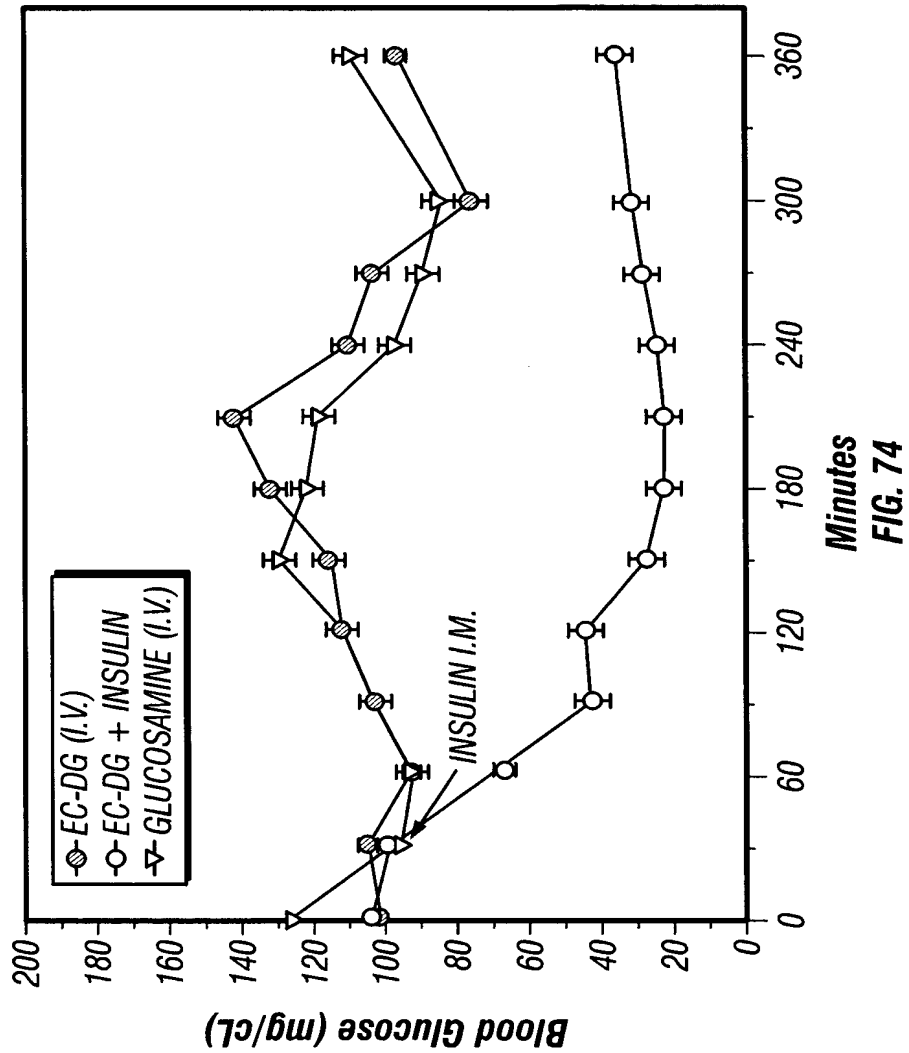
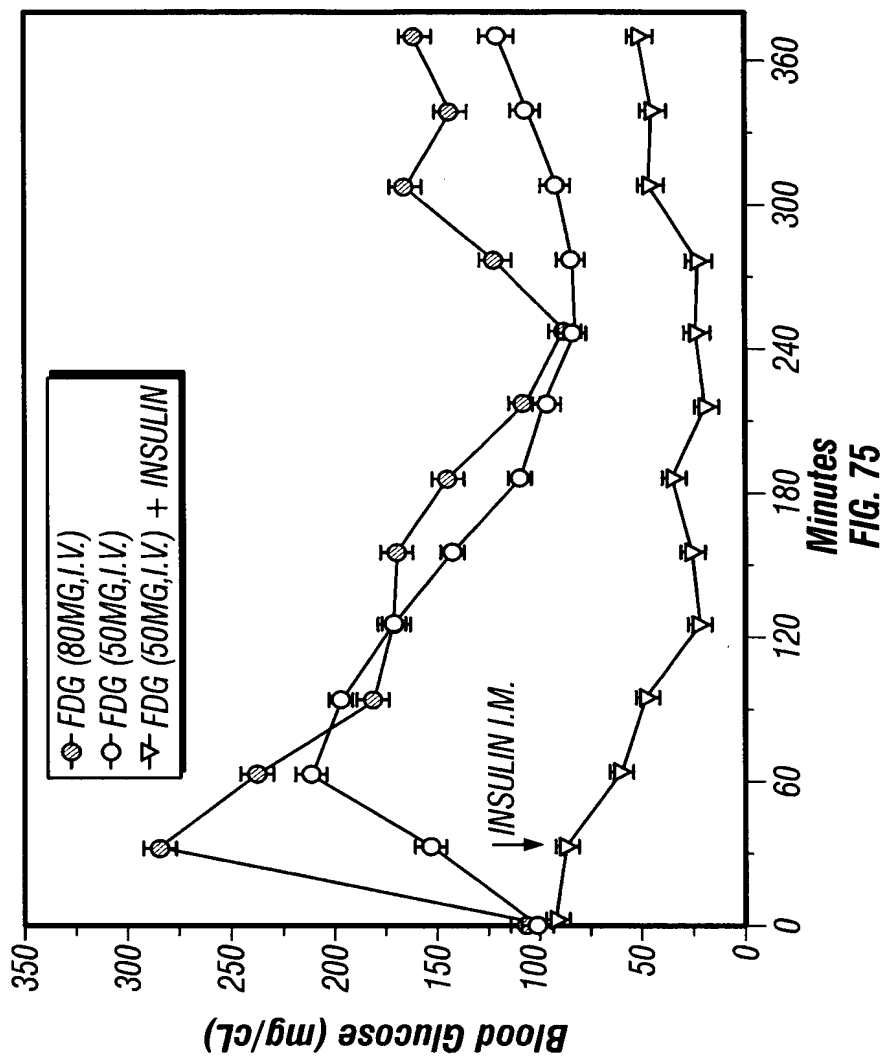


FIG. 73

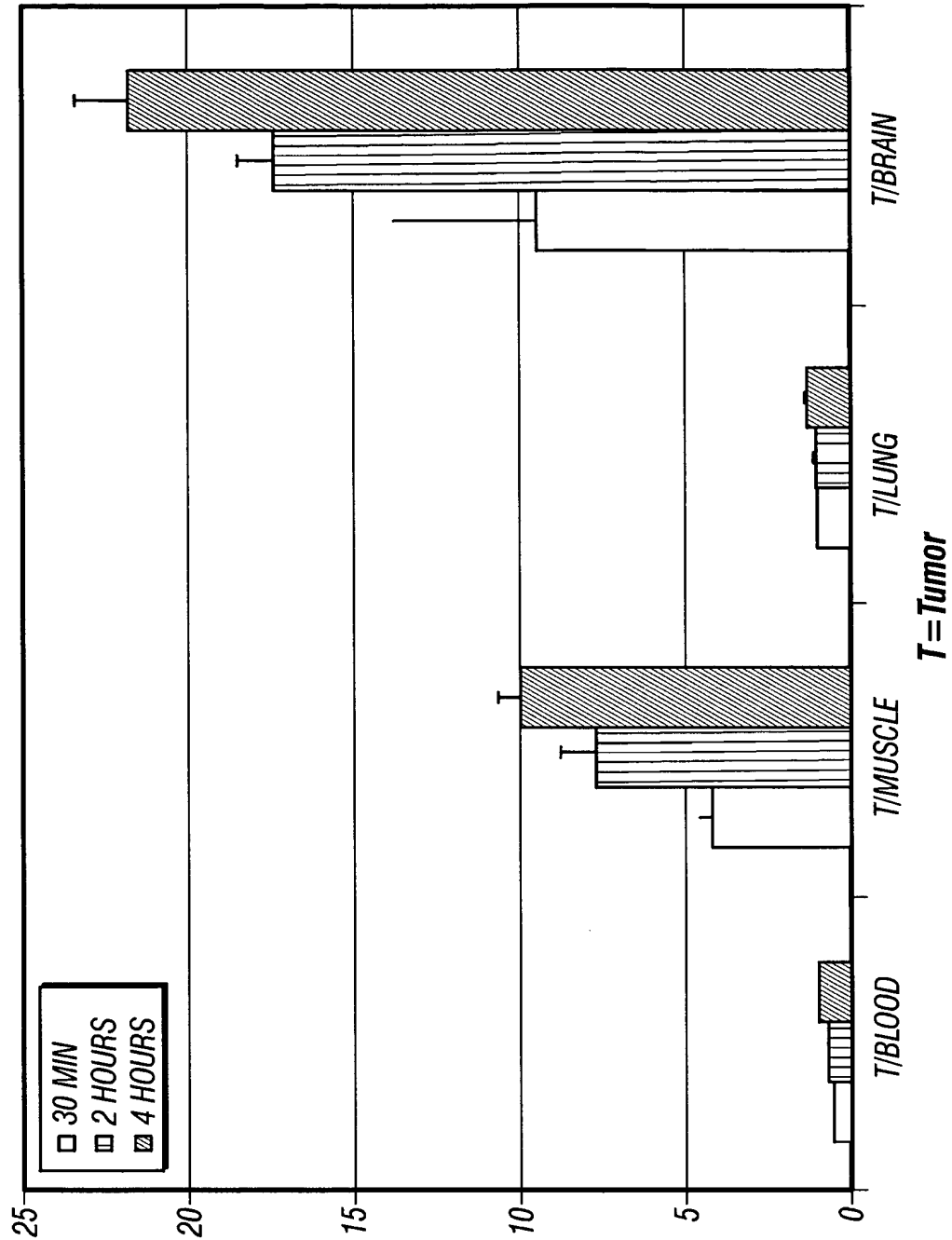
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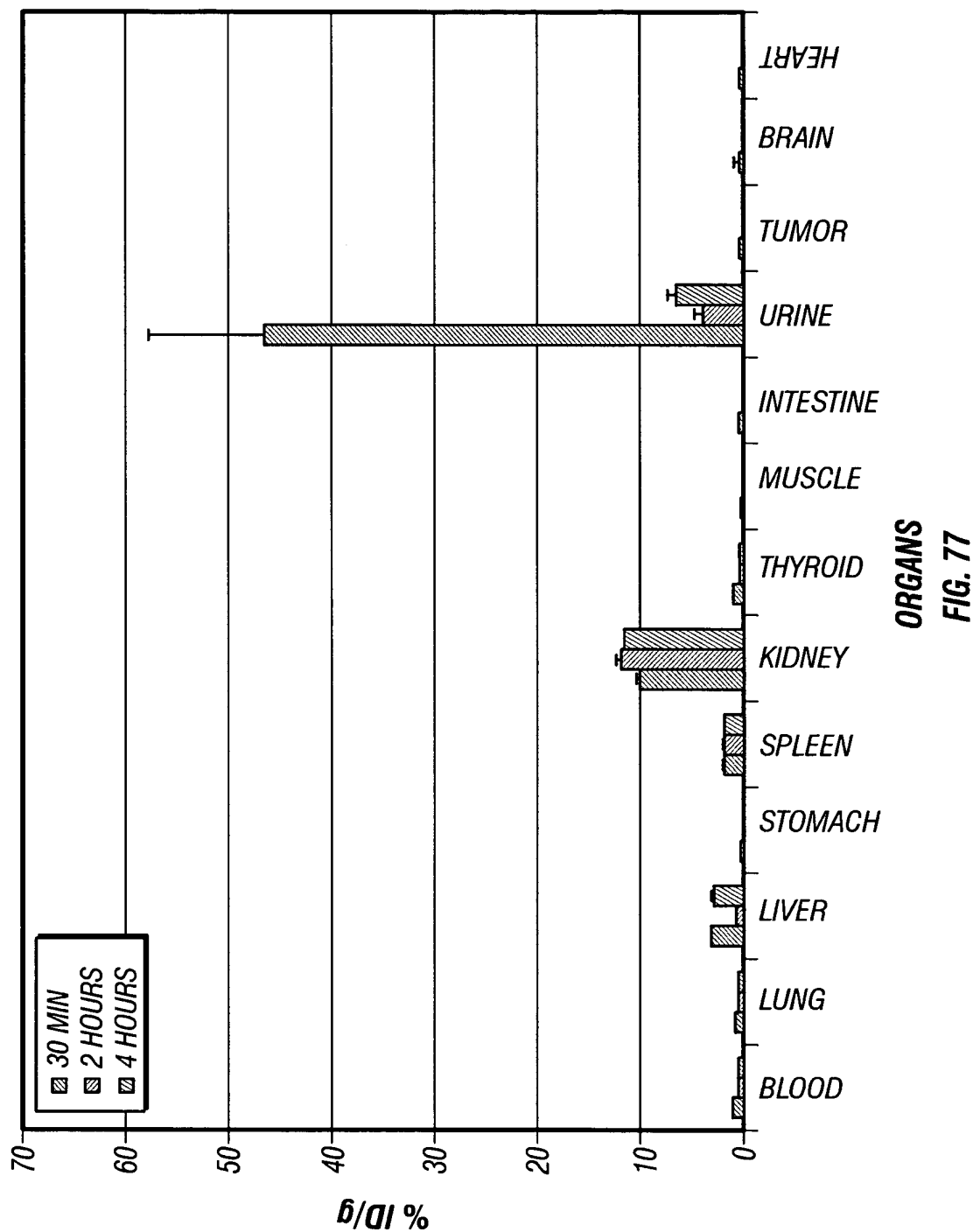
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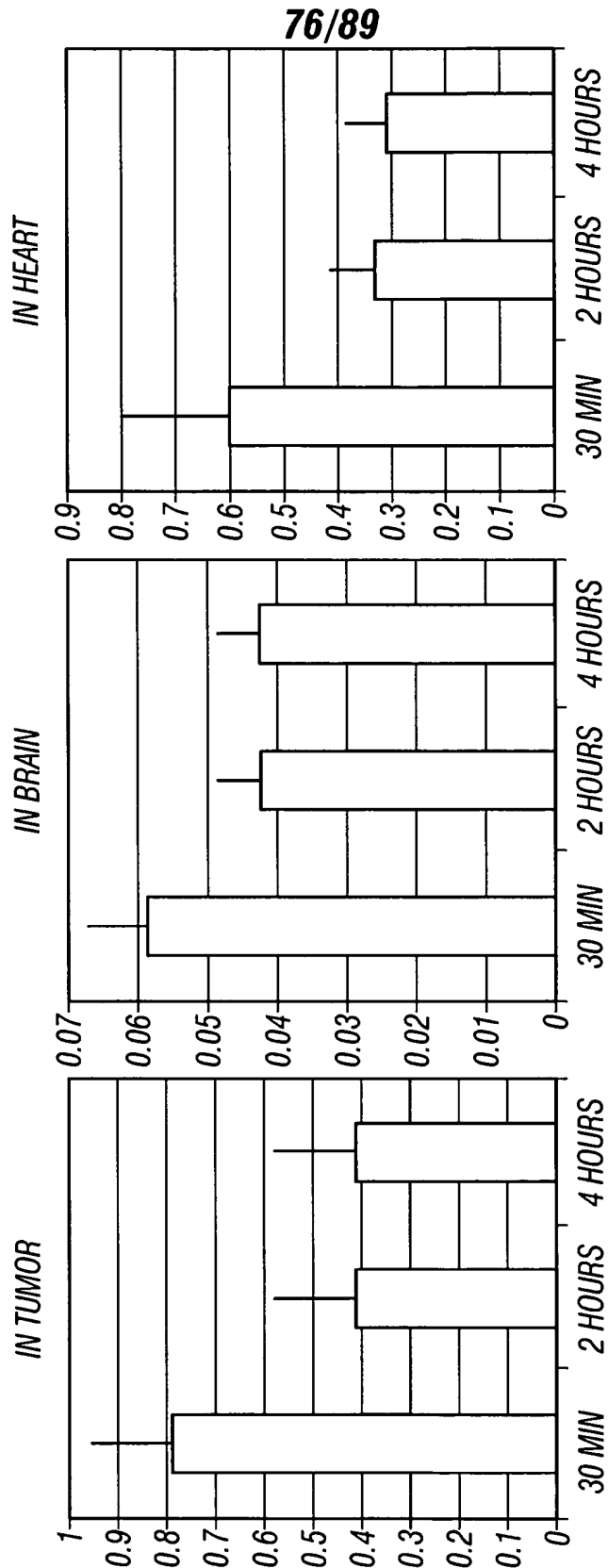


FIG. 78

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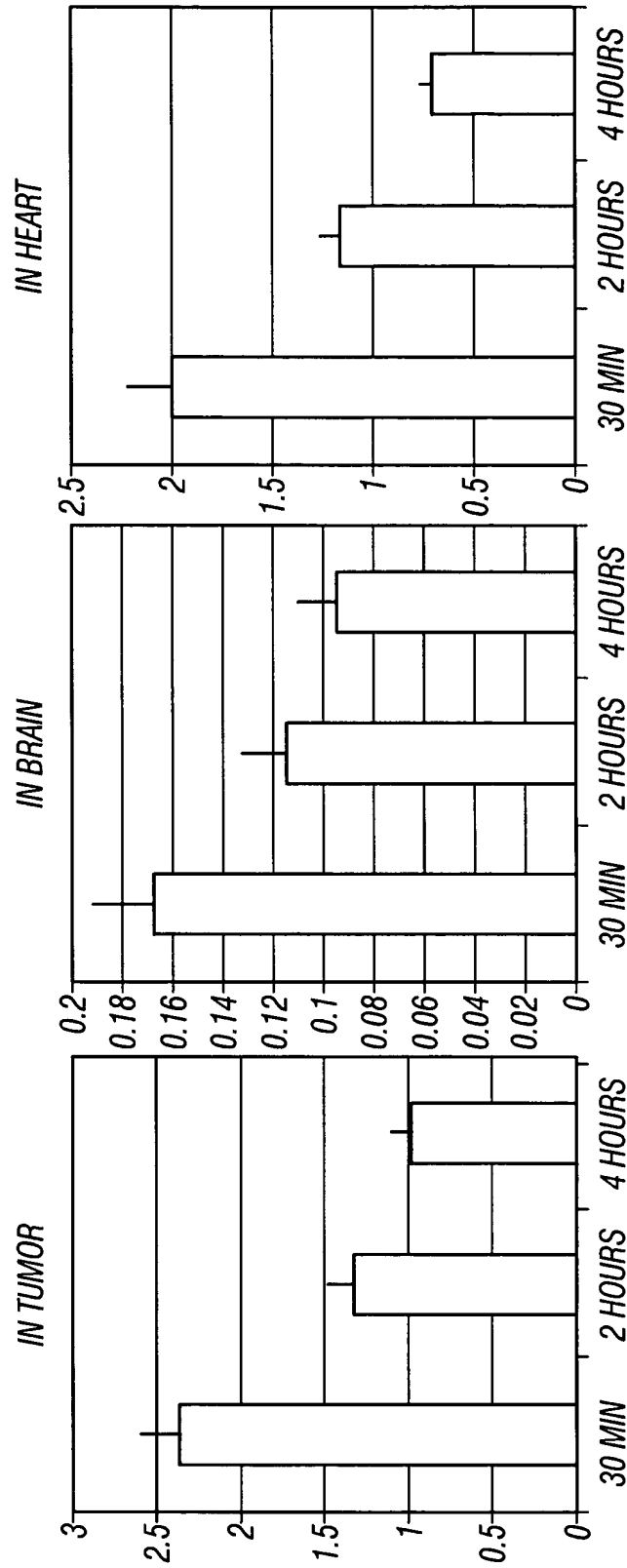


FIG. 79

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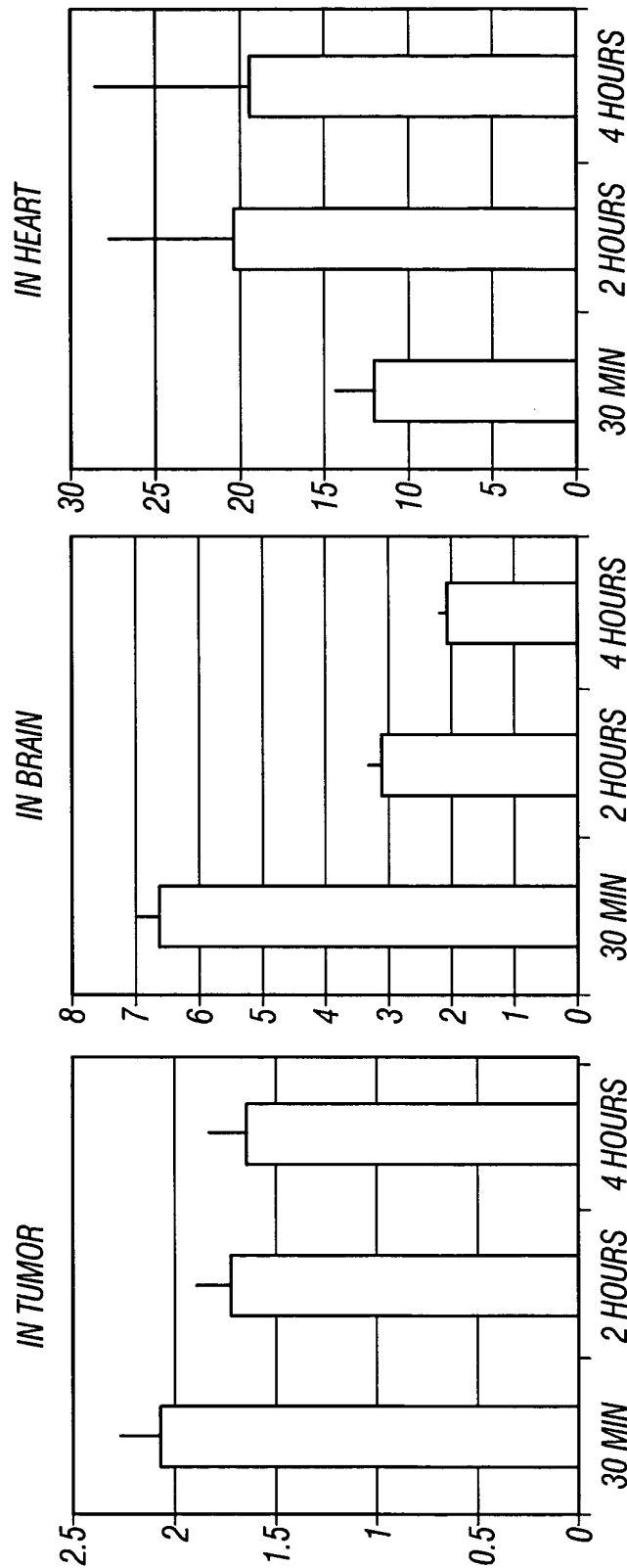


FIG. 80

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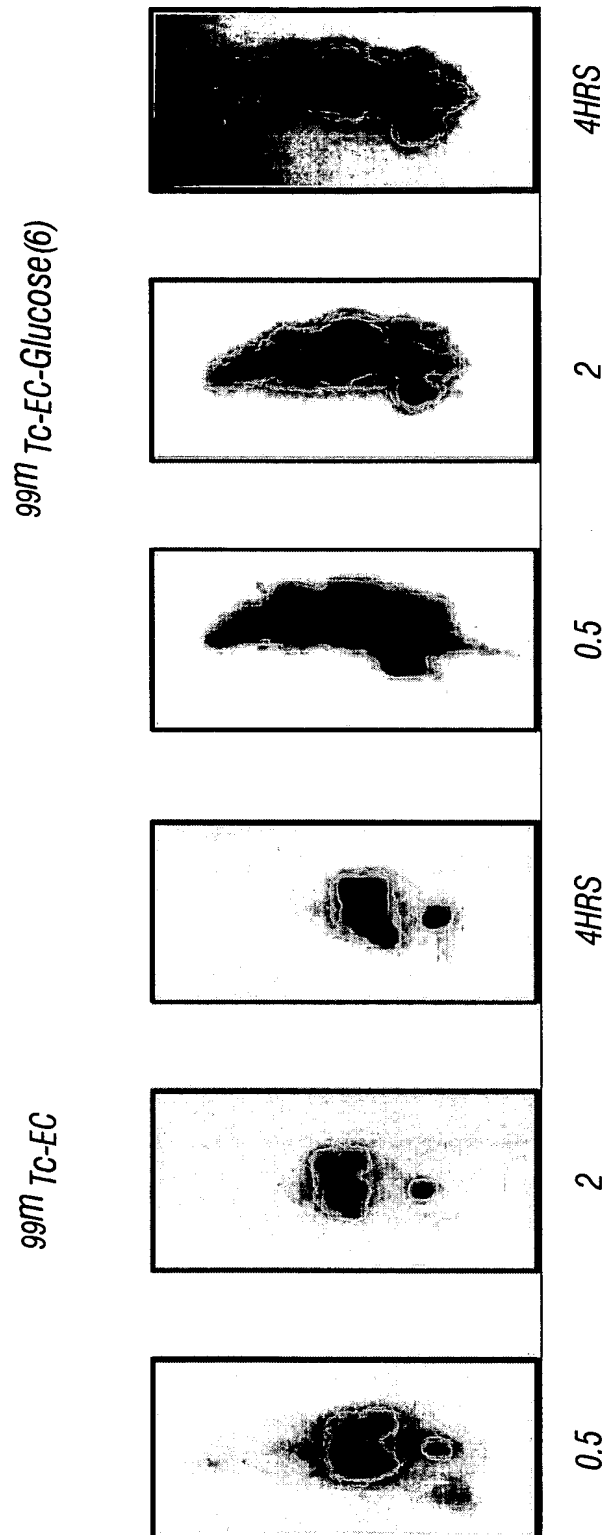
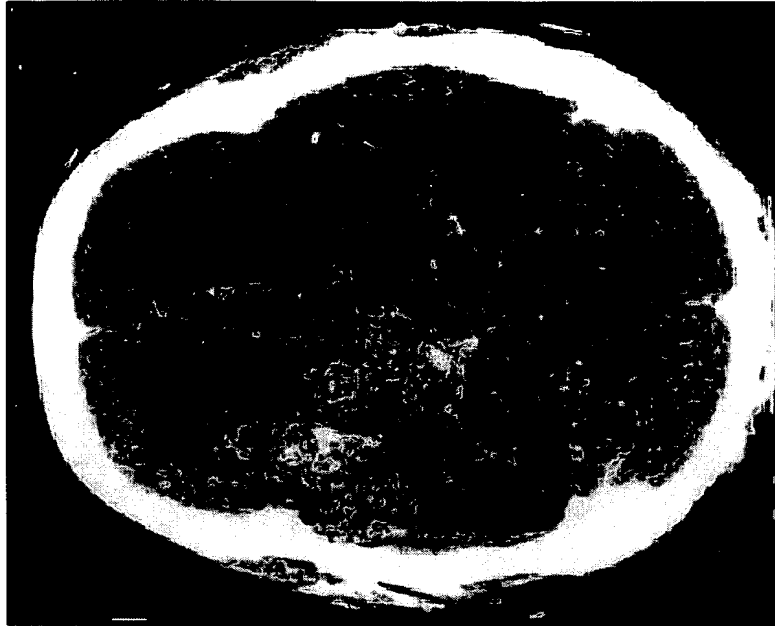


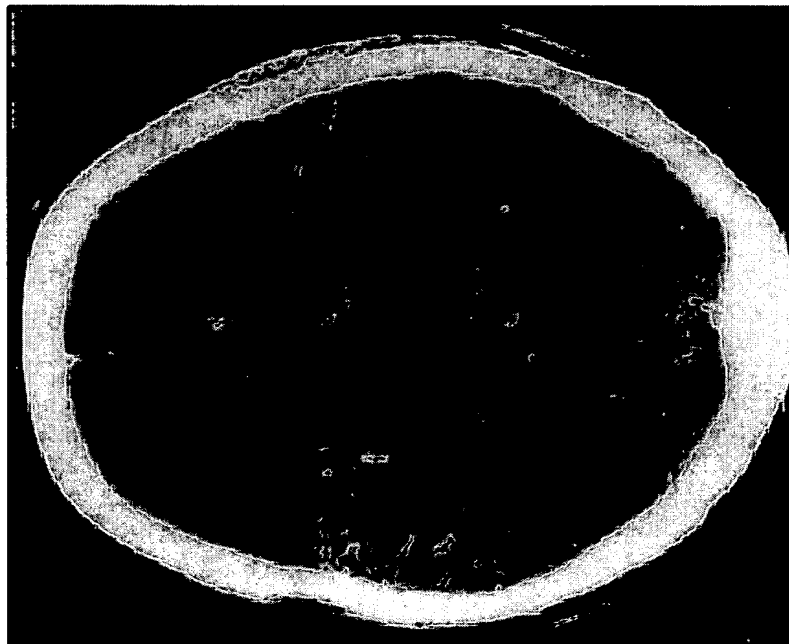
FIG. 81

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POST OP

FIG. 82A



PRE OP

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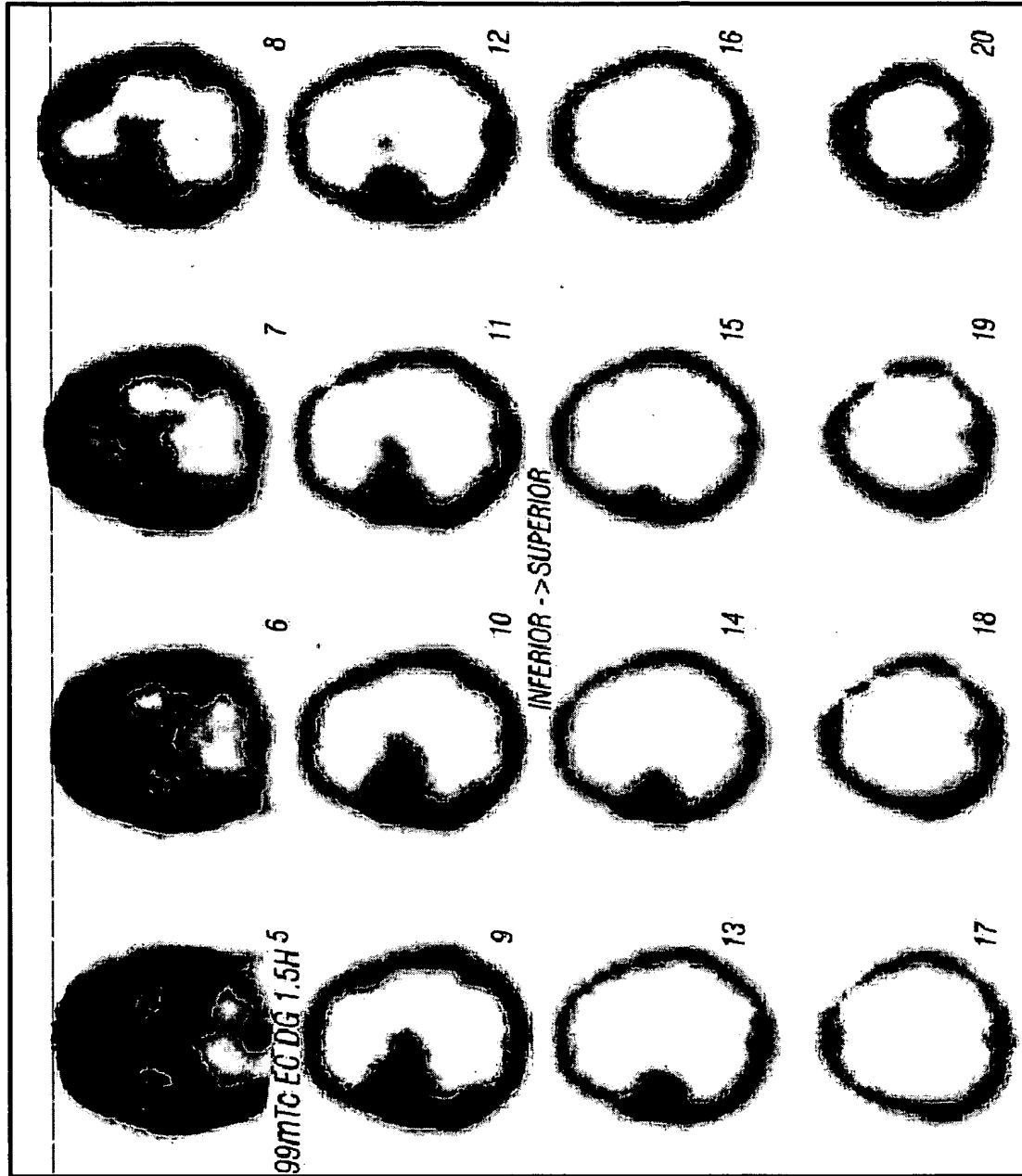
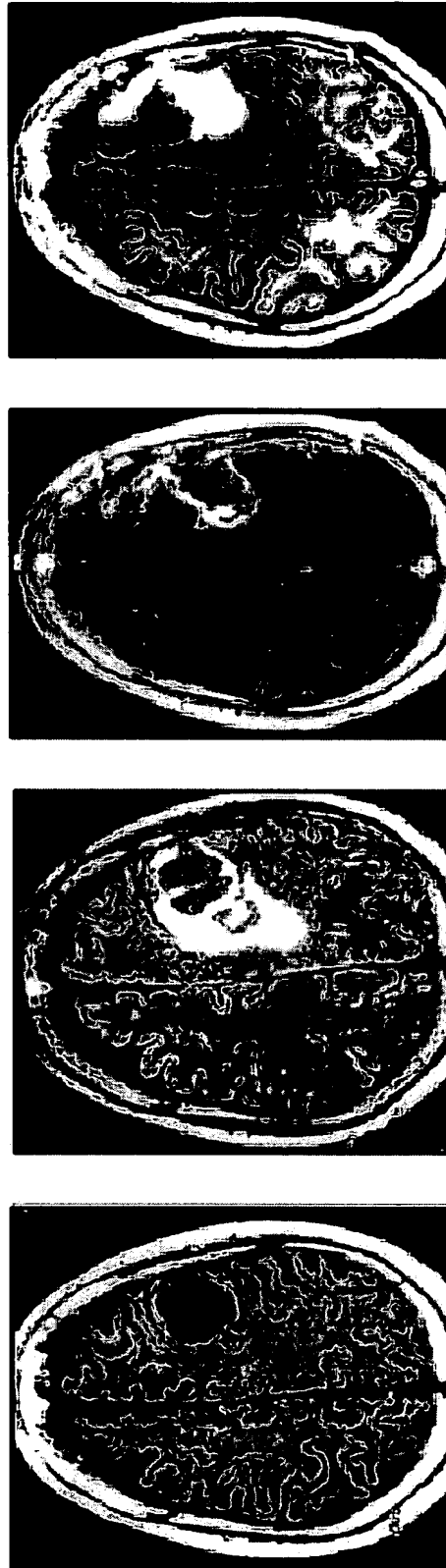


FIG. 82B

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POST-OP

FIG. 83A

PRE-OP

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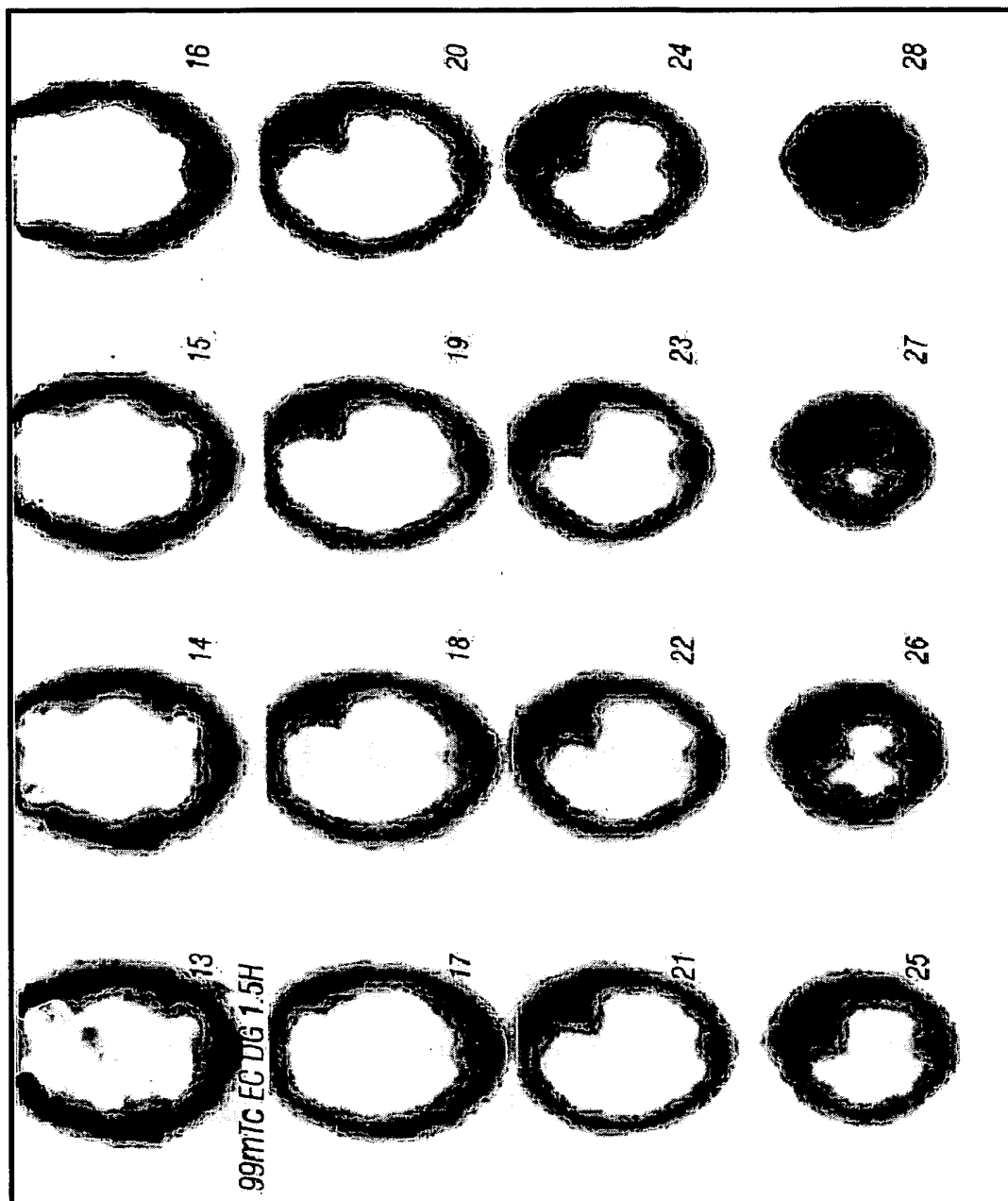


FIG. 83B

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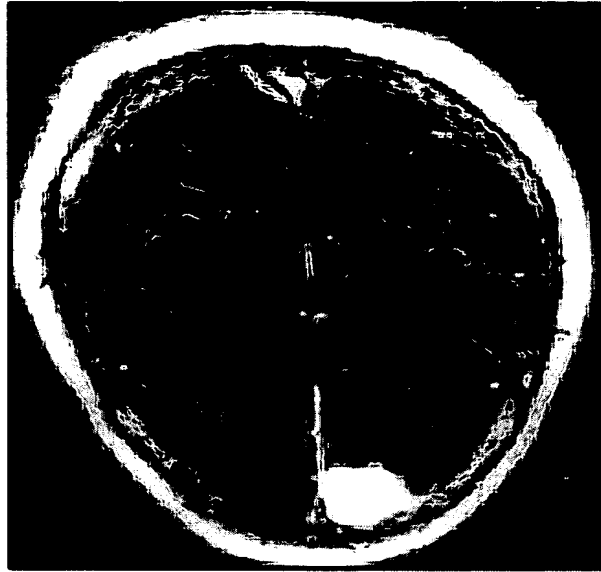


FIG. 84A



FIG. 85A

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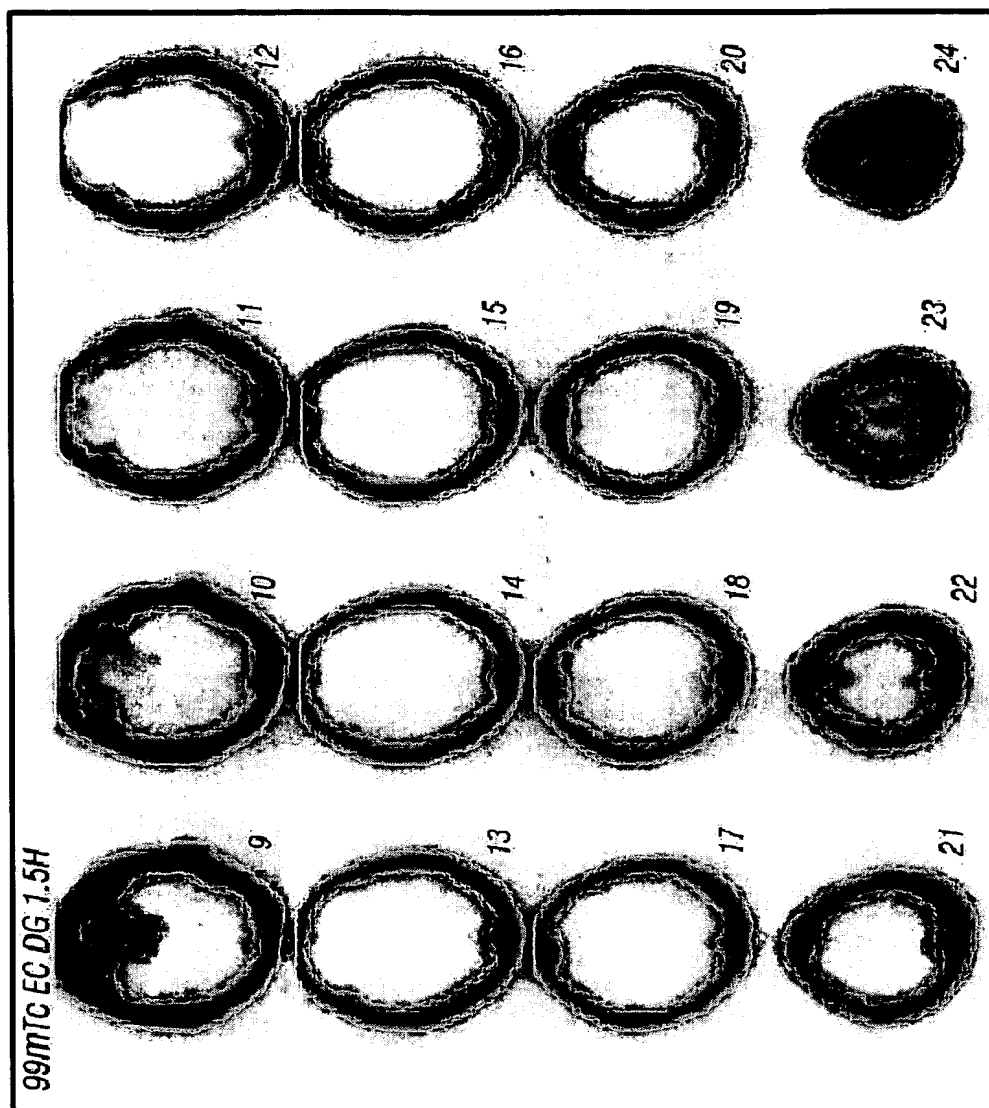


FIG. 84B

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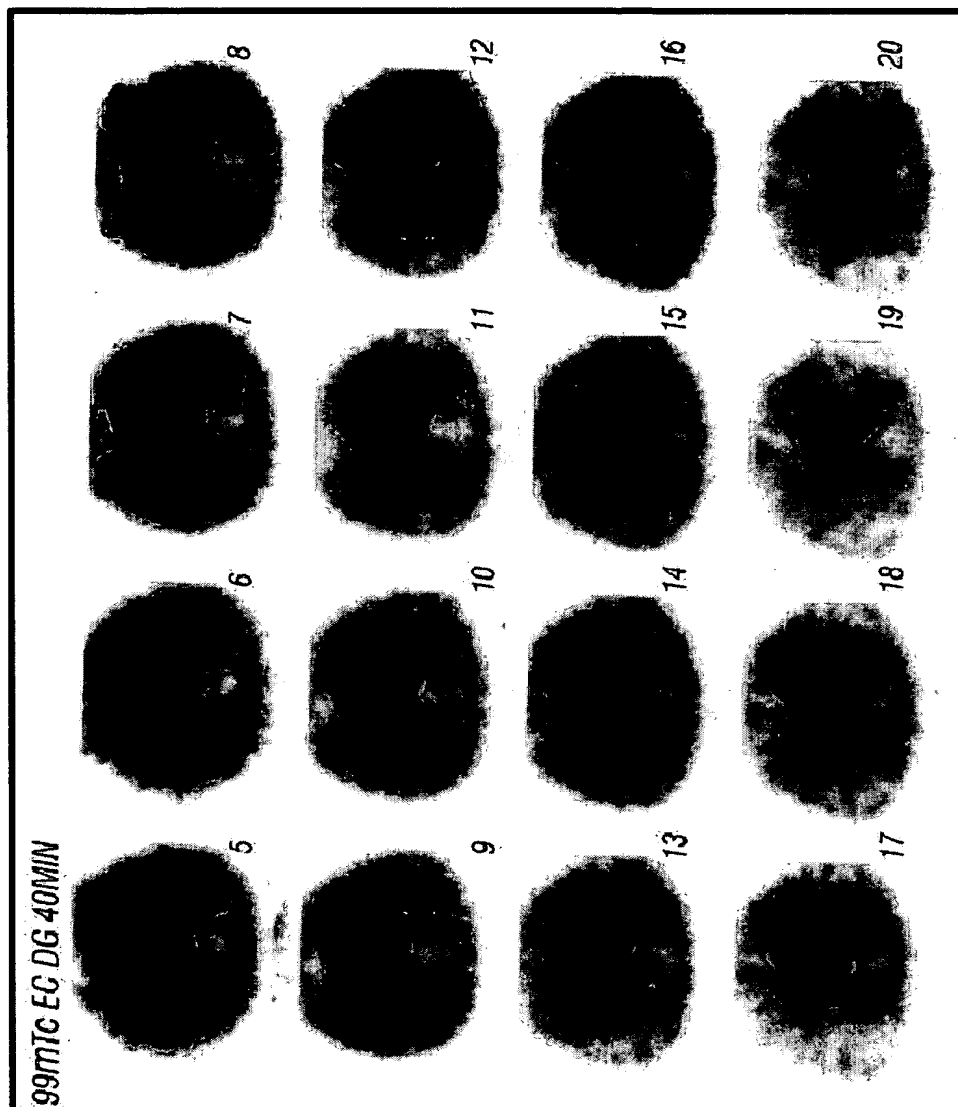
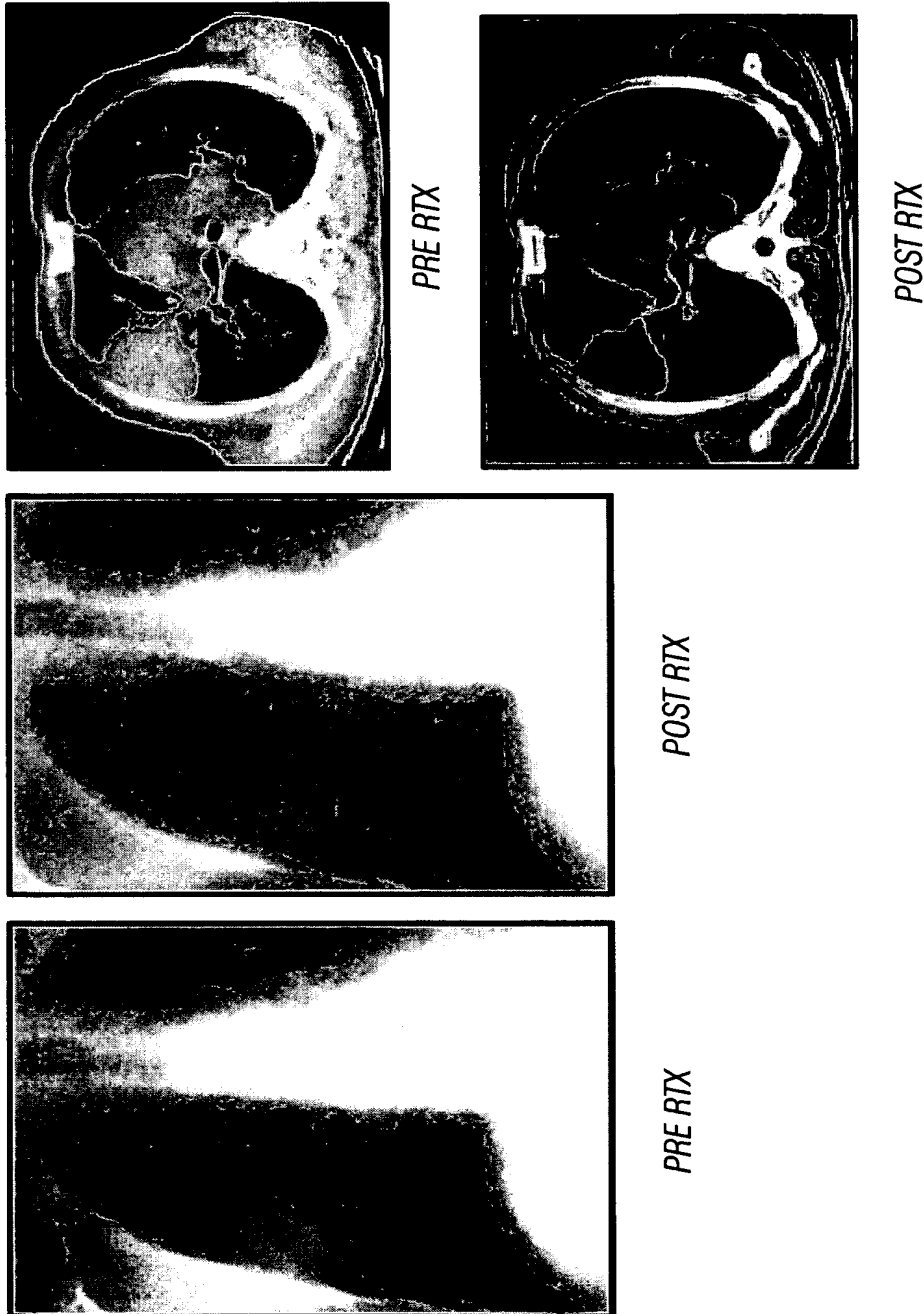
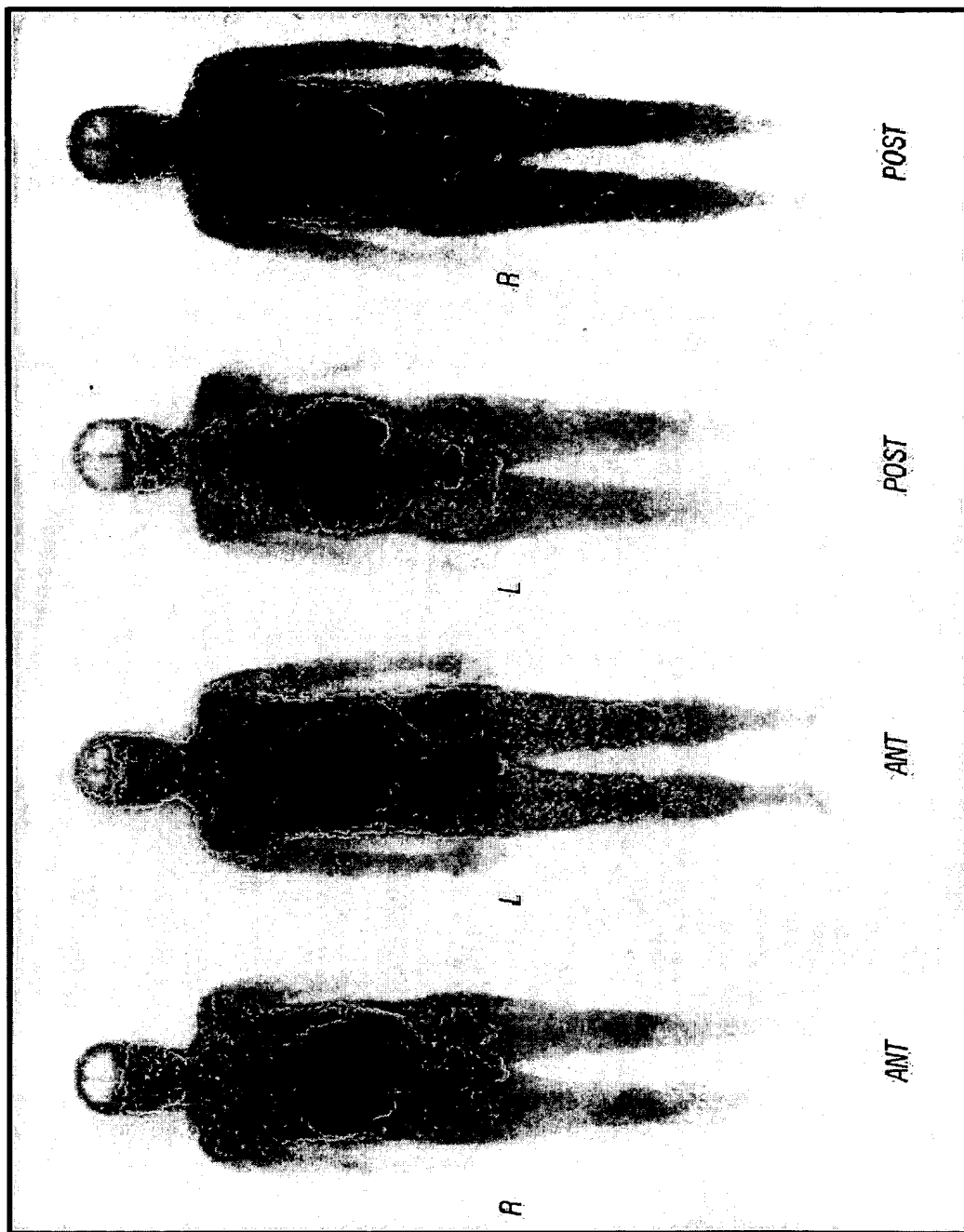


FIG. 85B

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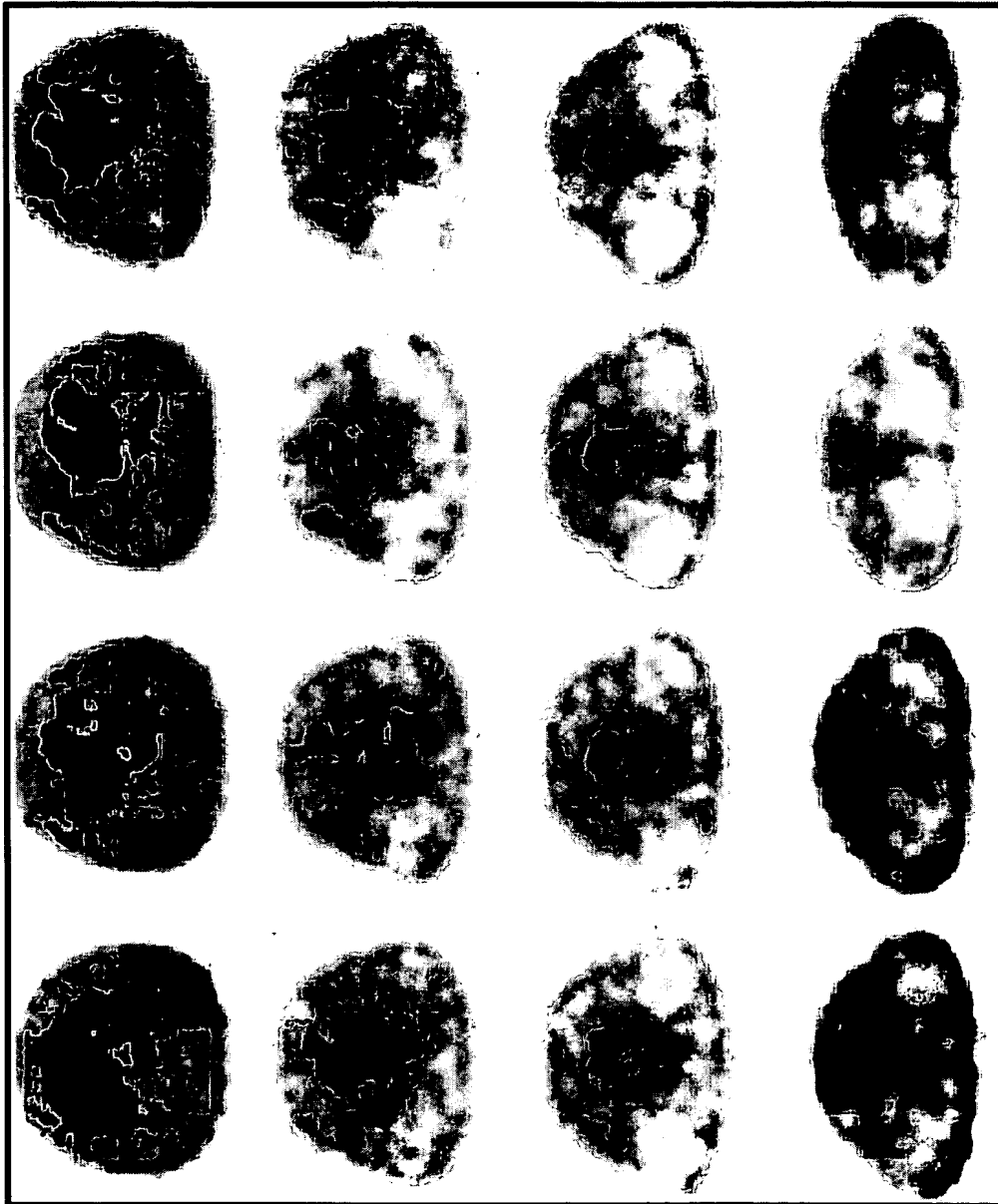


FIG. 86C

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